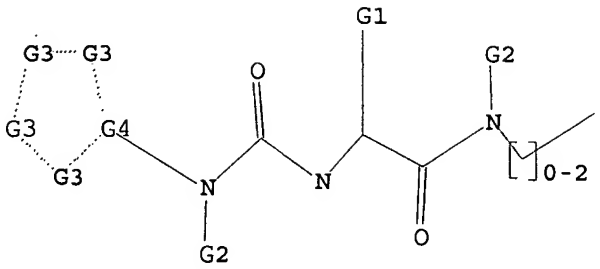
EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	752	546/112	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 15:46
L4	11	l3 and thromboembolic	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 15:47
L5	850	546/114	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 15:47
L7	19	l5 and thromboembolic	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 15:49
L9	1430	546/194	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 15:54
L11	108	l9 and (thrombin or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:01
L12	448	546/223	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:01
L13	16	l12 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:03
L14	117	548/122	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:03
L15	6	l14 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:04
L16	3	548/123 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:04

EAST Search History

L17	0	548/126 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:05
L18	7	548/427 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:05
L19	4	548/429 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:05
L20	26	548/517 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:08
L21	12	548/527 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:08
L22	13	548/530 and (thrombic or thromboembolic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2006/12/15 16:08

10530876b



G1 H,Cy,Hy,Ak

G2 H,Me

G3 C,O,S,N

G4 C,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 17:58:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1928 TO ITERATE

100.0% PROCESSED 1928 ITERATIONS 13 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 35927 TO 41193
PROJECTED ANSWERS: 44 TO 476

L2 13 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 17:58:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 38330 TO ITERATE

100.0% PROCESSED 38330 ITERATIONS 215 ANSWERS
SEARCH TIME: 00.00.03

L3 215 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	167.38	167.59

FILE 'CAPLUS' ENTERED AT 17:58:47 ON 12 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Karen Cheng

L4 ANSWER 1 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:884851 CAPLUS
DOCUMENT NUMBER: 145:299237
TITLE: Amidino heteroaryl compounds for stabilizing factor VII polypeptide formulations
INVENTOR(S): Petersen, Anders Klarskov; Bowler, Andrew Neil
PATENT ASSIGNEE(S): Novo Nordisk Health Care AG, Switz.
SOURCE: PCT Int. Appl., 42pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

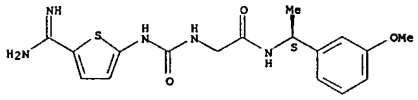
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006089953	A1	20060831	WO 2006-EP60270	20060224

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: DK 2005-285 A 20050224

OTHER SOURCE(S): MARPAT 145:299237
IT 908280-16-0
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(amidino-compds. for stabilizing factor VII polypeptide formulations)
RN 908280-16-0 CAPLUS
CN Acetamide, 2-[[[[5-(aminoiminomethyl)-2-thienyl]amino]carbonyl]amino]-N-[(1S)-1-(3-methoxyphenyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:608671 CAPLUS
DOCUMENT NUMBER: 145:83655
TITLE: Preparation of fused heteroaromatic quaternary ammonium salt amino acid derivatives as novel muscarinic acetylcholine receptor antagonists
INVENTOR(S): Busch-Petersen, Jakob; Davis, Roderick S.; Fu, Wei; Jin, Jian; Laine, Dramane I.; Palovich, Michael R.
PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006065755	A2	20060622	WO 2005-US44951	20051213
WO 2006065755	A3	20061012		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2004-635664P P 20041213

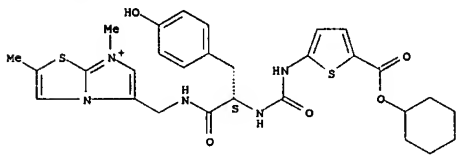
OTHER SOURCE(S): MARPAT 145:83655
IT 891844-68-1P 891844-72-7P 891844-76-1P
891844-86-3P 891845-22-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of fused heteroarom. quaternary ammonium salt amino acid derivs. as muscarinic acetylcholine receptor antagonists)
RN 891844-68-1 CAPLUS
CN Imidazo[2,1-b]thiazolium, 5-[[[(2S)-2-[[[[5-[(cyclohexyloxy)carbonyl]-2-thienyl]amino]carbonyl]amino]-3-(4-hydroxyphenyl)-1-oxopropyl]amino]methyl]-2,7-dimethyl-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 891844-67-0
CMF C29 H34 N5 O5 S2

Absolute stereochemistry.

L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

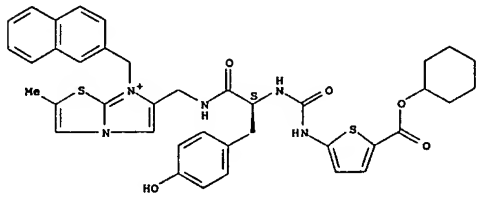
CRN 14477-72-6
CMF C2 F3 O2

RN 891844-72-7 CAPLUS
CN Imidazo[2,1-b]thiazolium, 6-[[[(2S)-2-[[[[5-[(cyclohexyloxy)carbonyl]-2-thienyl]amino]carbonyl]amino]-3-(4-hydroxyphenyl)-1-oxopropyl]amino]methyl]-2-methyl-7-(2-naphthalenylmethyl)-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 891844-71-6
CMF C39 H40 N5 O5 S2

Absolute stereochemistry.



CM 2

L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

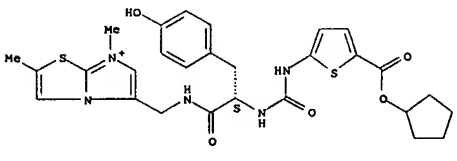
CRN 14477-72-6
CMF C2 F3 O2

RN 891844-76-1 CAPLUS
CN Imidazo[2,1-b]thiazolium, 5-[[[(2S)-2-[[[[5-[(cyclopentyloxy)carbonyl]-2-thienyl]amino]carbonyl]amino]-3-(4-hydroxyphenyl)-1-oxopropyl]amino]methyl]-2,7-dimethyl-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 891844-75-0
CMF C28 H32 N5 O5 S2

Absolute stereochemistry.



CM 2

CRN 14477-72-6
CMF C2 F3 O2

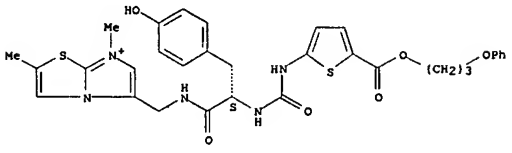
RN 891844-86-3 CAPLUS
CN Imidazo[2,1-b]thiazolium,
5-[[[(2S)-3-(4-hydroxyphenyl)-1-oxo-2-[[[[5-[(3-phenoxypropoxy)carbonyl]-2-thienyl]amino]carbonyl]amino]propyl]amino]methyl]-2,7-dimethyl-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 1

CRN 891844-85-2
CMF C32 H34 N5 O6 S2

Absolute stereochemistry.



CM 2

CRN 14477-72-6
CMF C2 F3 O2

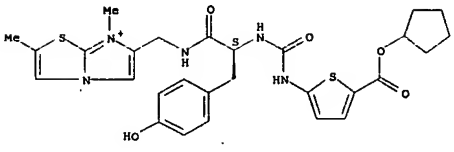
RN 891845-22-0 CAPLUS
CN Imidazo[2,1-b]thiazolium, 6-[[[(2S)-2-[[[[5-[(cyclopentyloxy)carbonyl]-2-thienyl]amino]carbonyl]amino]-3-(4-hydroxyphenyl)-1-oxopropyl]amino]methyl]-2,7-dimethyl-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 891845-21-9
CMF C28 H32 N5 O5 S2

Absolute stereochemistry.

L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

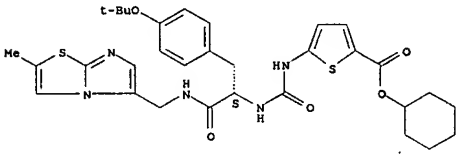


CM 2

CRN 14477-72-6
CMF C2 F3 O2

IT 891845-34-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of fused heteroarom. quaternary ammonium salt amino acid derivs. as muscarinic acetylcholine receptor antagonists)
RN 891845-34-4 CAPLUS
CN 2-Thiophenecarboxylic acid, 5-[[[[(1S)-1-[[4-(1,1-dimethylethoxy)phenyl]methyl]-2-[[(2-methylimidazo[2,1-b]thiazol-5-yl)methyl]amino]-2-oxoethyl]amino]carbonyl]amino]-, cyclohexyl ester (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L4 ANSWER 3 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:	2006:605213 CAPLUS
DOCUMENT NUMBER:	145:76661
TITLE:	Muscarinic acetylcholine receptor antagonists useful in the treatment of asthma, pulmonary diseases and other diseases of respiratory tract
INVENTOR(S):	Busch-Petersen, Jakob; Davis, Roderick S.; Fu, Wei; Jin, Jian; Laine, Dramane I.; Palovich, Michael R.
PATENT ASSIGNEE(S):	Glaxo Group Limited, UK
SOURCE:	PCT Int. Appl., 20 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006065788	A2	20060622	WO 2005-US45012	20051213
WO 2006065788	A3	20060817		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

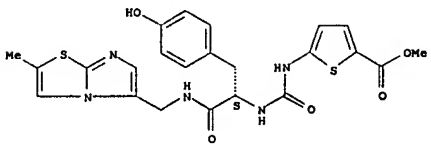
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2004-635703P P 20041213

OTHER SOURCE(S): MARPAT 145:76661

IT 892397-41-0P 892397-42-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(muscarinic acetylcholine receptor antagonists useful in treatment of respiratory tract diseases)
RN 892397-41-0 CAPLUS
CN 2-Thiophenecarboxylic acid, 5-[[[[(1S)-1-[(4-hydroxyphenyl)methyl]-2-[[(2-methylimidazo[2,1-b]thiazol-5-yl)methyl]amino]-2-oxoethyl]amino]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

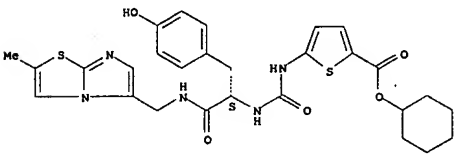
Absolute stereochemistry.



L4 ANSWER 3 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 892397-42-1 CAPLUS
CN 2-Thiophenecarboxylic acid, 5-[[[[(1S)-1-[(4-hydroxyphenyl)methyl]-2-[[(2-methylimidazo[2,1-b]thiazol-5-yl)methyl]amino]-2-oxoethyl]amino]carbonyl]amino]-, cyclohexyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 4 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

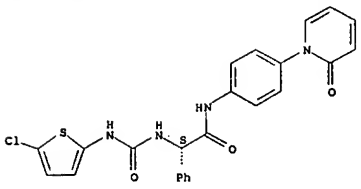
ACCESSION NUMBER: 2006:558817 CAPLUS
DOCUMENT NUMBER: 145:63142
TITLE: Preparation of amino acid urea derivatives as factor Xa inhibitors
INVENTOR(S): Song, Yongheng; Zhu, Bing-Yan; Wang, Shumei; Bhakta, Chhaya; Scarborough, Robert M.
PATENT ASSIGNEE(S): Portola Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 186 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006063113	A2	20060615	WO 2005-US44388	20051207
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 2006160821	A1	20060720	US 2005-298317	20051207
PRIORITY APPLN. INFO.:			US 2004-634201P	P 20041207

OTHER SOURCE(S): MARPAT 145:63142
IT 891789-69-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of amino acid urea derivs. as factor Xa inhibitors)
RN 891789-69-8 CAPLUS
CN Benzeneacetamide, α-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[4-(2-oxo-1(2H)-pyridinyl)phenyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 4 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 5 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

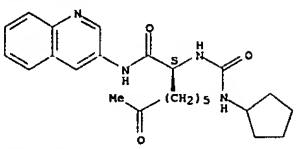
ACCESSION NUMBER: 2006:54368 CAPLUS
DOCUMENT NUMBER: 144:150635
TITLE: Preparation of amino acid amide derivatives as inhibitors of histone deacetylase
INVENTOR(S): Chakravarty, Prasun K.; Colletti, Steven L.; Ingenito, Raffaele; Jones, Philip; Meinke, Peter T.; Muraglia, Ester; Petrocchi, Alessia; Rowley, Michael; Scarpelli, Rita; Steinkuhler, Christian
PATENT ASSIGNEE(S): Istituto di Ricerche di Biologia Molecolare p Angeletti S.p.A., Italy; Merck & Co. Inc.
SOURCE: PCT Int. Appl., 161 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006005941	A1	20060119	WO 2005-GB2729	20050711
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			US 2004-587177P	P 20040712
			US 2004-610707P	P 20040917

OTHER SOURCE(S): MARPAT 144:150635
IT 874157-09-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of amino acid amide derivs. as inhibitors of histone deacetylase)
RN 874157-09-2 CAPLUS
CN Nonanamide, 2-[[(cyclopentylamino)carbonyl]amino]-8-oxo-N-3-quinolinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 5 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

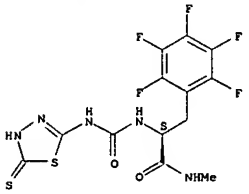
L4 ANSWER 6 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1215566 CAPLUS
DOCUMENT NUMBER: 144:100355
TITLE: Matrix Metalloproteinase Target Family Landscape: A Chemometrical Approach to Ligand Selectivity Based on Protein Binding Site Analysis
AUTHOR(S): Pirard, Bernard; Matter, Hans
CORPORATE SOURCE: Science and Medical Affairs, Chemical Sciences, Drug Design, Aventis Pharma Deutschland GmbH, a Company of the Sanofi-Aventis Group, Frankfurt am Main, D-65926, Germany
SOURCE: Journal of Medicinal Chemistry (2006), 49(1), 51-69
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

IT 198701-34-7
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(MMP target family: chemometrical approach to ligand selectivity based on protein binding site anal.)

RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 120 THERE ARE 120 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:540457 CAPLUS
DOCUMENT NUMBER: 143:78479
TITLE: Preparation of amino acid derivatives as novel M3 muscarinic acetylcholine receptor antagonists
INVENTOR(S): Busch-Petersen, Jakob; Jin, Jian; Moore, Michael Lee; Rivero, Ralph A.; Shi, Dongchuan; Wang, Feng; Wang, Yonghui
PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005055940	A2	20050623	WO 2004-US40667	20041203
WO 2005055940	A3	20050915		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004296207	A1	20050623	AU 2004-296207	20041203
CA 2549272	AA	20050623	CA 2004-2549272	20041203
EP 1708702	A2	20061011	EP 2004-813055	20041203
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR, IS				
NO 2006002992	A	20060627	NO 2006-2992	20060627
PRIORITY APPLN. INFO.:			US 2003-526824P P	20031203
			WO 2004-US40667 W	20041203

OTHER SOURCE(S): CASREACT 143:78479; MARPAT 143:78479

IT 854750-77-9P 854750-79-1P 854750-81-5P
854750-83-7P 854750-85-9P 854750-87-1P
854750-89-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of amino acid derivs. as novel M3 muscarinic acetylcholine
receptor antagonists)

RN 854750-77-9 CAPLUS
CN Piperidinium, 3-[[(2S)-3-(4-hydroxyphenyl)-2-[[[[5-(methoxycarbonyl)-2-furanyl]amino]carbonyl]amino]-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

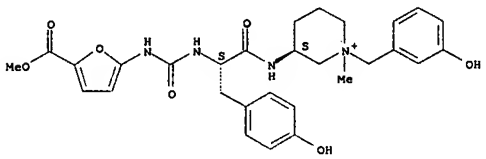
CM 1

CRN 854750-76-8

L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

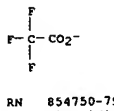
CMF C29 H35 N4 O7

Absolute stereochemistry.



CM 2

CRN 14477-72-6
CMF C2 F3 O2

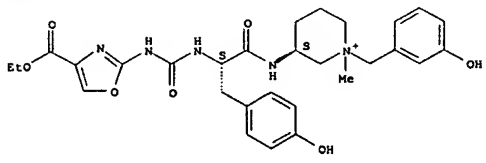


RN 854750-79-1 CAPLUS
CN Piperidinium, 3-[[(2S)-2-[[[[4-(ethoxycarbonyl)-2-oxazolyl]amino]carbonyl]amino]-3-(4-hydroxyphenyl)-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-78-0
CMF C29 H36 N5 O7

Absolute stereochemistry.



L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

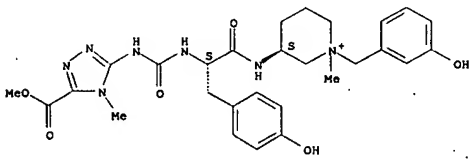
CRN 14477-72-6
CMF C2 F3 O2

RN 854750-81-5 CAPLUS
CN Piperidinium, 3-[[(2S)-3-(4-hydroxyphenyl)-2-[[[[5-(methoxycarbonyl)-4-methyl-4H-1,2,4-triazol-3-yl]amino]carbonyl]amino]-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid
(1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-80-4
CMF C28 H36 N7 O6

Absolute stereochemistry.

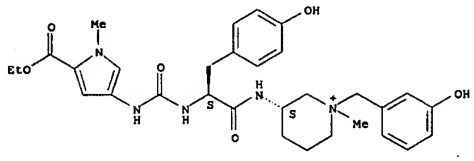


CM 2

CRN 14477-72-6
CMF C2 F3 O2

RN 854750-83-7 CAPLUS

L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

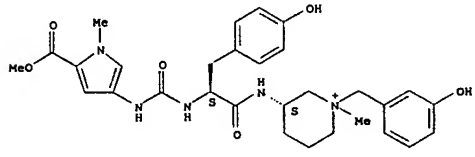
CRN 14477-72-6
CMF C2 F3 O2

RN 854750-87-1 CAPLUS
CN Piperidinium, 3-[[(2S)-3-(4-hydroxyphenyl)-2-[[[[5-(methoxycarbonyl)-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]amino]-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid
(1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-86-0
CMF C30 H38 N5 O6

Absolute stereochemistry.



CM 2

CRN 14477-72-6
CMF C2 F3 O2

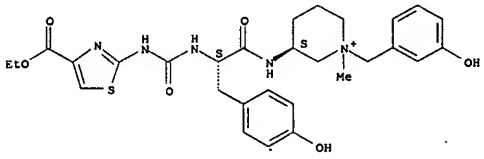
L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CN Piperidinium, 3-[[(2S)-2-[[[[4-(ethoxycarbonyl)-2-thiazolyl]amino]carbonyl]amino]-3-(4-hydroxyphenyl)-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid
(1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-82-6
CMF C29 H36 N5 O6 S

Absolute stereochemistry.



CM 2

CRN 14477-72-6
CMF C2 F3 O2

RN 854750-85-9 CAPLUS
CN Piperidinium, 3-[[(2S)-2-[[[[5-(ethoxycarbonyl)-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]amino]-3-(4-hydroxyphenyl)-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid
(1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-84-8
CMF C31 H40 N5 O6

Absolute stereochemistry.

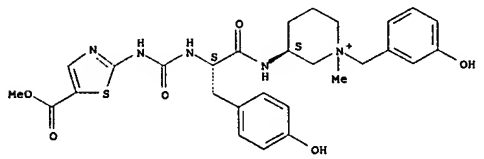
L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 854750-89-3 CAPLUS
CN Piperidinium, 3-[[(2S)-3-(4-hydroxyphenyl)-2-[[[[5-(methoxycarbonyl)-2-thiazolyl]amino]carbonyl]amino]-1-oxopropyl]amino]-1-[(3-hydroxyphenyl)methyl]-1-methyl-, (3S)-, salt with trifluoroacetic acid
(1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 854750-88-2
CMF C28 H34 N5 O6 S

Absolute stereochemistry.



CM 2

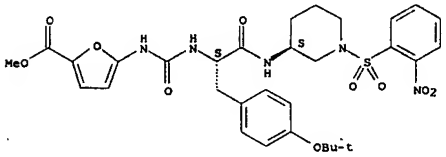
CRN 14477-72-6
CMF C2 F3 O2

IT 854750-94-0DP, resin-bound 854750-95-1DP, resin-bound
854750-96-2DP, resin-bound
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of amino acid derivs. as novel M3 muscarinic acetylcholine
receptor antagonists)
RN 854750-94-0 CAPLUS
CN 2-Furancarboxylic acid, 5-[[[[(1S)-1-[[4-(1,1-dimethylethoxy)phenyl]methyl]-2-[[(3S)-1-[(2-nitrophenyl)sulfonyl]-3-

Karen Cheng

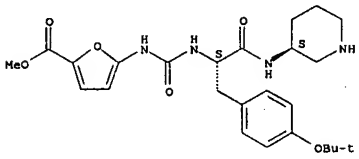
L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
piperidinyl]amino}-2-oxoethyl]amino}carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 854750-95-1 CAPLUS
CN 2-Furancarboxylic acid, 5-[[[[(1S)-1-[[4-(1,1-dimethylethoxy)phenyl]methyl]-2-oxo-2-[(3S)-3-piperidinylamino]ethyl]amino]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

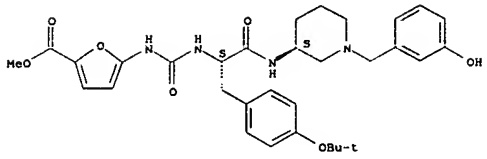
Absolute stereochemistry.



RN 854750-96-2 CAPLUS
CN 2-Furancarboxylic acid, 5-[[[[(1S)-1-[[4-(1,1-dimethylethoxy)phenyl]methyl]-2-[[(3S)-1-[(3-hydroxyphenyl)methyl]-3-piperidinyl]amino]-2-oxoethyl]amino]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 7 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

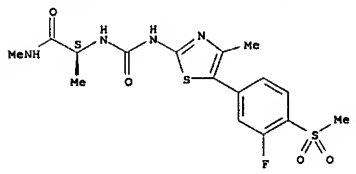
ACCESSION NUMBER: 2005:219786 CAPLUS
DOCUMENT NUMBER: 142:298100
TITLE: Preparation of phenylthiazolylureas as inhibitors of phosphatidylinositol 3-kinase
INVENTOR(S): Bloomfield, Graham Charles; Bruce, Ian; Hayler, Judy Fox; Leblanc, Catherine; Le Grand, Darren Mark; McCarthy, Clive
PATENT ASSIGNEE(S): Novartis Ag, Switz.; Novartis Pharma GmbH
SOURCE: PCT Int. Appl., 88 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005021519	A2	20050310	WO 2004-EP9586	20040827
WO 2005021519	A3	20050512		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004268050	A1	20050310	AU 2004-268050	20040827
CA 2533175	AA	20050310	CA 2004-2533175	20040827
EP 1689391	A2	20060816	EP 2004-764560	20040827
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1838953	A	20060927	CN 2004-80023775	20040827
BR 2004013934	A	20061024	BR 2004-13934	20040827
PRIORITY APPLN. INFO.:			GB 2003-20197 A	20030828
			WO 2004-EP9586 W	20040827

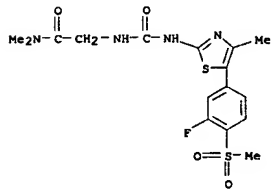
OTHER SOURCE(S): MARPAT 142:298100
IT 847787-88-6P 847787-92-2P 847788-22-1P 847788-36-7P 847789-03-1P 847789-06-4P 847789-07-5P 847789-08-6P 847789-09-7P 847789-10-0P 847789-11-1P 847789-13-3P 847789-15-5P 847789-16-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of phenylthiazolylureas as inhibitors of phosphatidylinositol 3-kinase)
RN 847787-88-6 CAPLUS
CN Propanamide, 2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

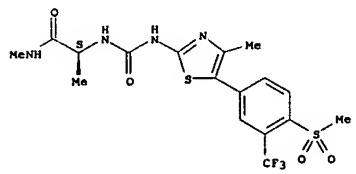


RN 847787-92-2 CAPLUS
CN Acetamide, 2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N,N-dimethyl- (9CI) (CA INDEX NAME)



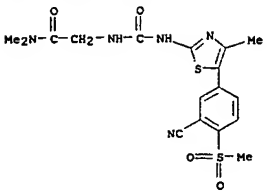
RN 847788-22-1 CAPLUS
CN Propanamide, N-methyl-2-[[[[4-methyl-5-[4-(methylsulfonyl)-3-(trifluoromethyl)phenyl]-2-thiazolyl]amino]carbonyl]amino]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

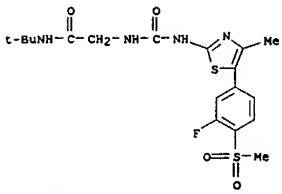


RN 847788-36-7 CAPLUS
CN Acetamide, 2-[[[[5-[3-cyano-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N,N-dimethyl- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



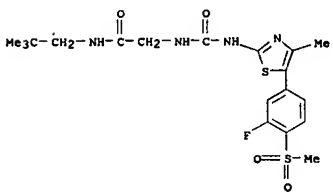
RN 847789-03-1 CAPLUS
CN Acetamide, N-(1,1-dimethylethyl)-2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



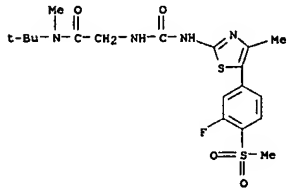
RN 847789-06-4 CAPLUS
CN Acetamide, N-(1,1-dimethylpropyl)-2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 847789-09-7 CAPLUS
CN Acetamide, N-(2,2-dimethylpropyl)-2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

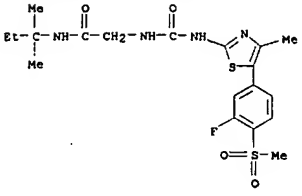


RN 847789-10-0 CAPLUS
CN Acetamide, N-(1,1-dimethylethyl)-2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N-methyl- (9CI) (CA INDEX NAME)

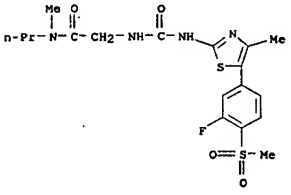


RN 847789-11-1 CAPLUS
CN Acetamide, 2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N-methyl-N-(1-methylethyl)- (9CI) (CA INDEX NAME)

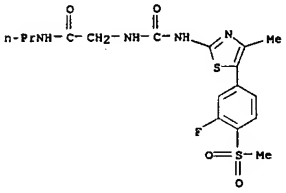
L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



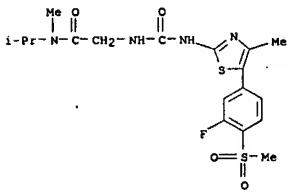
RN 847789-07-5 CAPLUS
CN Acetamide, 2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N-methyl-N-propyl- (9CI) (CA INDEX NAME)



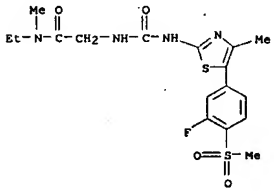
RN 847789-08-6 CAPLUS
CN Acetamide, 2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N-propyl- (9CI) (CA INDEX NAME)



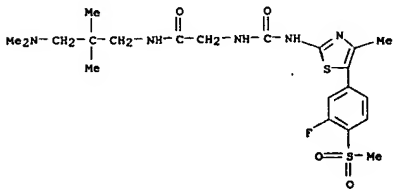
L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 847789-13-3 CAPLUS
CN Acetamide, N-ethyl-2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N-methyl- (9CI) (CA INDEX NAME)

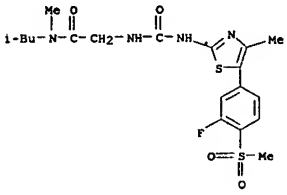


RN 847789-15-5 CAPLUS
CN Acetamide, N-[3-(dimethylamino)-2,2-dimethylpropyl]-2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 847789-16-6 CAPLUS

L4 ANSWER 8 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN Acetamide, 2-[[[[5-[3-fluoro-4-(methylsulfonyl)phenyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N-methyl-N-(2-methylpropyl)- (9CI) (CA INDEX NAME)



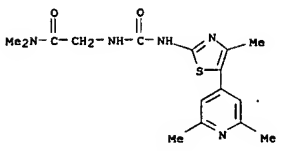
L4 ANSWER 9 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:965245 CAPLUS
DOCUMENT NUMBER: 141:410962
TITLE: Preparation of pyrazinyl/pyridinyl thiazolylamines as inhibitors of phosphatidylinositol 3-kinase
INVENTOR(S): Bruce, Ian; Cuenoud, Bernard; Keller, Thomas Hugo; Pilgrim, Gaynor Elizabeth; Press, Nicola; Le Grand, Darren Mark; Ritchie, Cathy; Valade, Barbara; Hayler, Judy; Budd, Emma
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SOURCE: PCT Int. Appl., 102 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004096797	A1	20041111	WO 2004-EP4603	20040430
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004234068	A1	20041111	AU 2004-234068	20040430
CA 2524401	AA	20041111	CA 2004-2524401	20040430
EP 1622897	A1	20060208	EP 2004-730527	20040430
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004010037	A	20060425	BR 2004-10037	20040430
CN 1816549	A	20060809	CN 2004-80018777	20040430
JP 2006525266	T2	20061109	JP 2006-505340	20040430
NO 2005005714	A	20060202	NO 2005-5714	20051202

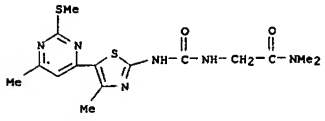
PRIORITY APPLN. INFO.: GB 2003-10234 A 20030502
WO 2004-EP4603 W 20040430

OTHER SOURCE(S): MARPAT 141:410962
IT 790702-34-0P 790704-05-1P 790704-11-9P
790704-17-5P 790705-39-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrazinyl/pyridinyl thiazolylamines as inhibitors of phosphatidylinositol 3-kinase)
RN 790702-34-0 CAPLUS
CN Acetamide, 2-[[[[5-(2,6-dimethyl-4-pyridinyl)-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N,N-dimethyl- (9CI) (CA INDEX NAME)

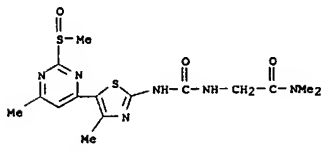
L4 ANSWER 9 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 790704-05-1 CAPLUS
CN Acetamide, N,N-dimethyl-2-[[[[4-methyl-5-[6-methyl-2-(methylthio)-4-pyrimidinyl]-2-thiazolyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

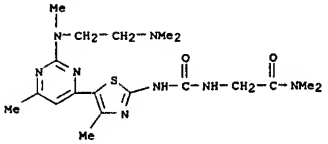


RN 790704-11-9 CAPLUS
CN Acetamide, N,N-dimethyl-2-[[[[4-methyl-5-[6-methyl-2-(methylsulfinyl)-4-pyrimidinyl]-2-thiazolyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

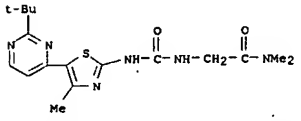


RN 790704-17-5 CAPLUS
CN Acetamide, 2-[[[[5-[2-[[2-(dimethylamino)ethyl]methylamino]-6-methyl-4-pyrimidinyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N,N-dimethyl- (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



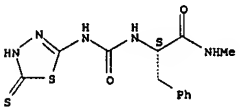
RN 790705-39-4 CAPLUS
CN Acetamide, 2-[[[[5-[2-(1,1-dimethylethyl)-4-pyrimidinyl]-4-methyl-2-thiazolyl]amino]carbonyl]amino]-N,N-dimethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 10 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:880442 CAPLUS
DOCUMENT NUMBER: 142:6070
TITLE: Intramolecular nonbonded S···O interaction in acetazolamide and thiadiazolinethione molecules in their dimeric crystalline structures and complex crystalline structures with enzymes
AUTHOR(S): Nagao, Yoshimitsu; Honjo, Takashi; Iimori, Hitoshi; Goto, Satoru; Sano, Shigeki; Shiro, Motoo; Yamaguchi, Kentaro; Sei, Yoshihisa
CORPORATE SOURCE: Graduate School of Pharmaceutical Sciences, The University of Tokushima, Sho-machi, Tokushima, 770-8505, Japan
SOURCE: Tetrahedron Letters (2004), 45(47), 8757-8761
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198700-58-2, PNU 107859
RL: PRP (Properties)
(cold-spray ionization mass spectrum and solution aggregation; intramol.
nonbonded S···O interaction in acetazolamide and thiadiazolinethiones in their dimeric crystalline structures and complex
crystalline structures with enzymes)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



IT 796845-26-6
RL: PRP (Properties)
(crystallog.; intramol. nonbonded S···O interaction in acetazolamide and thiadiazolinethiones in their dimeric crystalline structures and complex crystalline structures with enzymes)
RN 796845-26-6 CAPLUS
CN Acetic acid ethyl ester, compd. with (αS)-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methylbenzenepropanamide and methanol (57:200:200) (9CI) (CA INDEX NAME)

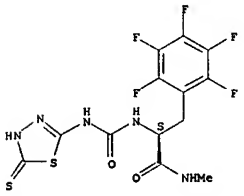
CM 1

CRN 198700-58-2

L4 ANSWER 10 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

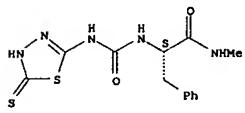
Absolute stereochemistry.



REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 10 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CMF C13 H15 N5 O2 S2

Absolute stereochemistry. Rotation (+).



CM 2

CRN 141-78-6
CMF C4 H8 O2

Et—O—Ac

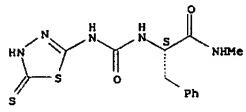
CM 3

CRN 67-56-1
CMF C H4 O

H3C—OH

IT 198700-58-2D, PNU 107859, complex with stromelysin
198701-34-7D, PNU 142372, complex with stromelysin
RL: PRP (Properties)
(intramol. nonbonded S···O interaction in acetazolamide and thiadiazolinethiones in their dimeric crystalline structures and complex crystalline structures with enzymes)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



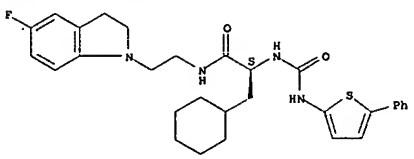
L4 ANSWER 11 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:817667 CAPLUS
DOCUMENT NUMBER: 141:327646
TITLE: Inhibitors of cathepsin S for use in pharmaceuticals
INVENTOR(S): Liu, Hong; Alper, Phil; Chatterjee, Arnab; Tully, David; Bursulaya, Badry; Woodmansee, David; Epple, Robert; Harris, Jennifer Leslie; Li, Jun
PATENT ASSIGNEE(S): IRM LLC, Bermuda
SOURCE: PCT Int. Appl., 166 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004084843	A2	20041007	WO 2004-US9414	20040324
WO 2004084843	A3	20050929		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004248887	A1	20041209	US 2004-807613	20040323
PRIORITY APPLN. INFO.:			US 2003-457848P P	20030324
			US 2004-807613 A	20040323

OTHER SOURCE(S): MARPAT 141:327646
IT 769965-31-3P 769965-32-4P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(inhibitors of cathepsin S for use in pharmaceuticals)
RN 769965-31-3 CAPLUS
CN Cyclohexanepropanamide, N-[2-(5-fluoro-2,3-dihydro-1H-indol-1-yl)ethyl]-α-[[[(5-phenyl-2-thienyl)amino]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

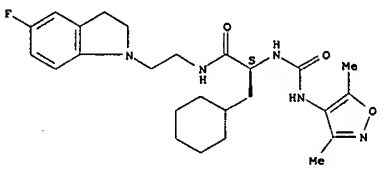
Absolute stereochemistry.

L4 ANSWER 11 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



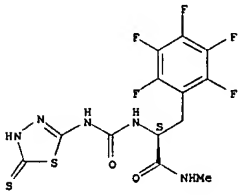
RN 769965-32-4 CAPLUS
CN Cyclohexanepropanamide, α-[[[(3,5-dimethyl-4-isoxazolyl)amino]carbonyl]amino]-N-[2-(5-fluoro-2,3-dihydro-1H-indol-1-yl)ethyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

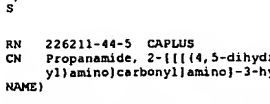


L4 ANSWER 12 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

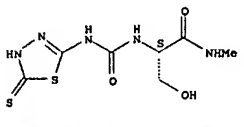


RN 226211-42-3 CAPLUS
CN Acetamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl- (9CI) (CA INDEX NAME)



RN 226211-44-5 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-hydroxy-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

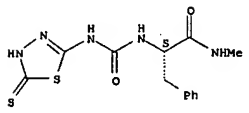
Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

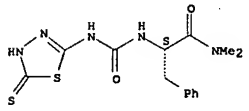
L4 ANSWER 12 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:344240 CAPLUS
DOCUMENT NUMBER: 141:64400
TITLE: A Molecular Basis for the Selectivity of Thiadiazole Urea Inhibitors with Stromelysin-1 and Gelatinase-A from Generalized Born Molecular Dynamics Simulations
AUTHOR(S): Rizzo, Robert C.; Toba, Samuel; Kuntz, Irwin D.
CORPORATE SOURCE: Department of Pharmaceutical Chemistry, University of California at San Francisco, San Francisco, CA, 94143-2240, USA
SOURCE: Journal of Medicinal Chemistry (2004), 47(12), 3065-3074
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198700-58-2, PNU-107859 198700-64-0 198701-34-7
, PNU-142372 226211-42-3 226211-44-5
RL: PAC (Pharmacological activity); PRP (Properties); BIOL (Biological study)
(mol. basis for selectivity of thiadiazole urea inhibitors with stromelysin-1 and gelatinase-A from Generalized Born mol. dynamics simulations)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-64-0 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N,N-dimethyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-34-7 CAPLUS

- current app.

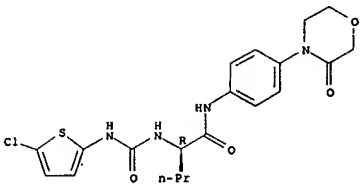
L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:328850 CAPLUS
DOCUMENT NUMBER: 140:357340
TITLE: Preparation of N-(5-chloro-2-thienyl)ureas and related
compounds as coagulation factor Xa inhibitors for the treatment of thromboembolic illnesses
INVENTOR(S): Dorsch, Dieter; Cezanne, Bertram; Mederski, Werner; Tsaklakidis, Christos; Gleitz, Johannes; Barnes, Christopher
PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
SOURCE: Ger. Offen., 28 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10247226	A1	20040422	DE 2002-10247226	20021010
CA 2501706	AA	20040429	CA 2003-2501706	20030918
WO 2004035039	A1	20040429	WO 2003-EP10400	20030918
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003270223	A1	20040504	AU 2003-270223	20030918
EP 1549304	A1	20050706	EP 2003-750577	20030918
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006510604	T2	20060330	JP 2004-544033	20030918
US 2006135515	A1	20060622	US 2005-530876	20050411
PRIORITY APPLN. INFO.:			DE 2002-10247226 A	20021010
			WO 2003-EP10400 W	20030918

OTHER SOURCE(S): MARPAT 140:357340
IT 681816-81-9P 681816-82-0P 681816-83-1P 681816-84-2P 681816-85-3P 681816-86-4P 681816-87-5P 681816-88-6P 681816-89-7P 681816-90-0P 681816-91-1P 681816-92-2P 681816-93-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-(5-chloro-2-thienyl)ureas and related compds. as coagulation factor Xa inhibitors for the treatment of thromboembolic illnesses)
RN 681816-81-9 CAPLUS
CN Pentanamide, 2-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[4-(3-oxo-4-morpholinyl)phenyl]-, (2R)- (9CI) (CA INDEX NAME)

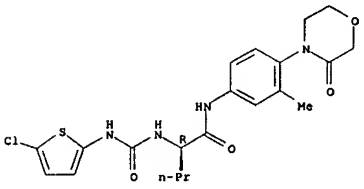
Karen Cheng

L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry.

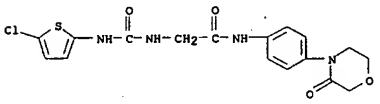


RN 681816-82-0 CAPLUS
CN Pentanamide, 2-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[3-methyl-4-(3-oxo-4-morpholinyl)phenyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



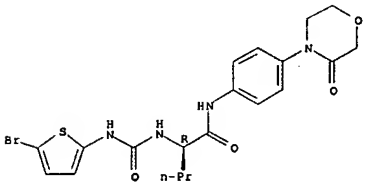
RN 681816-83-1 CAPLUS
CN Acetamide, 2-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[4-(3-oxo-4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 681816-84-2 CAPLUS
CN Pentanamide, 2-[[[(5-bromo-2-thienyl)amino]carbonyl]amino]-N-[4-(3-oxo-4-

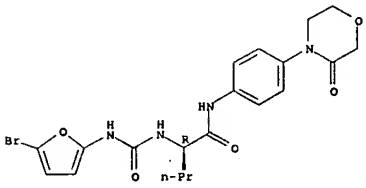
L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
morpholinyl)phenyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 681816-85-3 CAPLUS
CN Pentanamide, 2-[[[(5-bromo-2-furanyl)amino]carbonyl]amino]-N-[4-(3-oxo-4-morpholinyl)phenyl]-, (2R)- (9CI) (CA INDEX NAME)

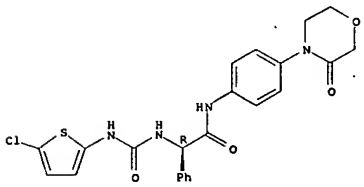
Absolute stereochemistry.



RN 681816-86-4 CAPLUS
CN Benzeneacetamide, α-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[4-(3-oxo-4-morpholinyl)phenyl]-, (αR)- (9CI) (CA INDEX NAME)

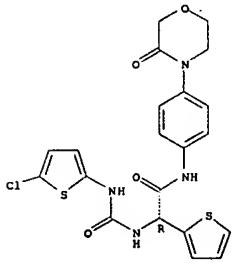
Absolute stereochemistry.

L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 681816-87-5 CAPLUS
CN 2-Thiopheneacetamide, α-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[4-(3-oxo-4-morpholinyl)phenyl]-, (αR)- (9CI) (CA INDEX NAME)

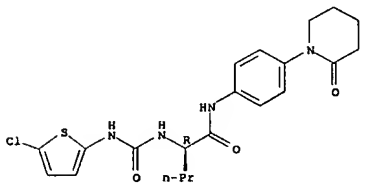
Absolute stereochemistry.



RN 681816-88-6 CAPLUS
CN Pentanamide, 2-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[4-(2-oxo-1-piperidinyl)phenyl]-, (2R)- (9CI) (CA INDEX NAME)

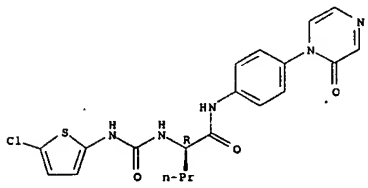
Absolute stereochemistry.

L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



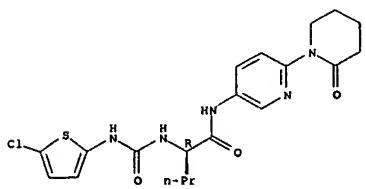
RN 681816-89-7 CAPLUS
CN Pentanamide, 2-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[4-(2-oxo-1(2H)-pyrazinyl)phenyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



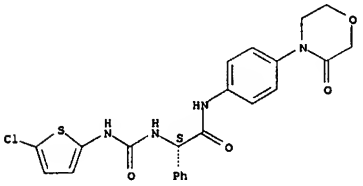
RN 681816-90-0 CAPLUS
CN Pentanamide, 2-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[6-(2-oxo-1-piperidinyl)-3-pyridinyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



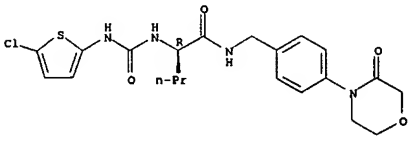
L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 681816-91-1 CAPLUS
CN Benzeneacetamide, α-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[4-(3-oxo-4-morpholinyl)phenyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 681816-92-2 CAPLUS
CN Pentanamide, 2-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[[4-(3-oxo-4-morpholinyl)phenyl]methyl]-, (2R)- (9CI) (CA INDEX NAME)

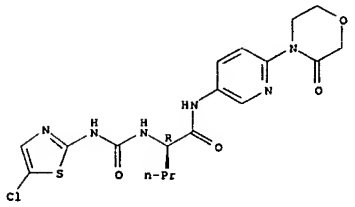
Absolute stereochemistry.



RN 681816-93-3 CAPLUS
CN Pentanamide, 2-[[[(5-chloro-2-thiazolyl)amino]carbonyl]amino]-N-[6-(3-oxo-4-morpholinyl)-3-pyridinyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 13 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

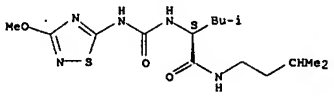


L4 ANSWER 14 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:	2003:923410 CAPLUS
DOCUMENT NUMBER:	140:174436
TITLE:	1,2,4-Thiadiazole: A novel Cathepsin B inhibitor
AUTHOR(S):	Leung-Toung, Regis; Wodzinska, Jolanta; Li, Wanren; Lowrie, Jayme; Kukreja, Rahul; Desileta, Denis; Karimian, Khashayar; Tam, Tim Fat
CORPORATE SOURCE:	Department of Medicinal Chemistry, Apotex Research, Inc., Toronto, ON, M9L 1N9, Can.
SOURCE:	Bioorganic & Medicinal Chemistry (2003), 11(24), 5529-5537 CODEN: BMECEP; ISSN: 0968-0896
PUBLISHER:	Elsevier Ltd.
DOCUMENT TYPE:	Journal
LANGUAGE:	English
OTHER SOURCE(S):	CASREACT 140:174436

IT 472958-38-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and cathepsin B inhibition by thiadiazoles)
RN 472958-38-6 CAPLUS
CN Pentanamide, 2-[[[(3-methoxy-1,2,4-thiadiazol-5-yl)amino]carbonyl]amino]-4-methyl-N-(3-methylbutyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 15 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:	2003:892749 CAPLUS
DOCUMENT NUMBER:	139:381378
TITLE:	Preparation of carboxylic acid amides as inhibitors of blood-coagulation factor Xa and VIIa
INVENTOR(S):	Dorsch, Dieter; Mederski, Werner; Gleitz, Johannes; Cezanne, Bertram; Tsaklakidis, Christos; Barnes, Christopher
PATENT ASSIGNEE(S):	Merck Patent G.m.b.H., Germany
SOURCE:	PCT Int. Appl., 79 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	German
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

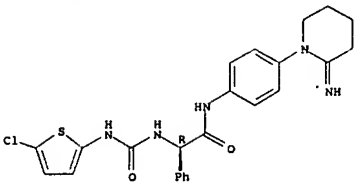
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003093235	A1	20031113	WO 2003-EP3331	20030331
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10218974	A1	20031127	DE 2002-10218974	20020427
DE 10236868	A1	20040226	DE 2002-10236868	20020812
CA 2483228	AA	20031113	CA 2003-2483228	20030331
AU 2003226755	A1	20031117	AU 2003-226755	20030331
EP 1499591	A1	20050126	EP 2003-747402	20030331
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2005171154	A1	20050804	US 2003-512478	20030331
JP 2005531547	T2	20051020	JP 2004-501374	20030331
PRIORITY APPLN. INFO.:			DE 2002-10218974 A	20020427
			DE 2002-10236868 A	20020812
			WO 2003-EP3331 W	20030331

OTHER SOURCE(S): MARPAT 139:381378

IT 625103-76-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of carboxylic acid amides as inhibitors of blood-coagulation factor Xa and VIIa)
RN 625103-76-6 CAPLUS
CN Benzeneacetamide, α-[[[(5-chloro-2-thienyl)amino]carbonyl]amino]-N-[4-(2-imino-1-piperidinyl)phenyl]-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 15 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

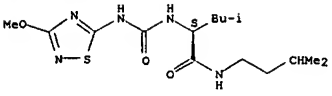


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

possible D.P.

L4 ANSWER 16 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L4 ANSWER 16 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:808427 CAPLUS
DOCUMENT NUMBER: 137:311203
TITLE: Preparation of thiadiazole amino acid derivatives as inhibitors of cysteine activity dependent enzymes
INVENTOR(S): Karimian, Khashayar; Tam, Tim Fat; Leung-Toung, Regis C. S. H.; Li, Wanren; Bryson, Steve Patrick; Wodzinska, Jolanta Maria
PATENT ASSIGNEE(S): Apotex Inc., Can.
SOURCE: U.S., 35 pp., Cont.-in-part of U.S. 6,162,791.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6468977	B1	20021022	US 2000-576029	20000523
US 6162791	A	20001219	US 1998-33937	19980302
TR 200002527	T2	20010122	TR 2000-200002527	19990223
WO 2001090095	A1	20011129	WO 2001-CA702	20010518

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1998-33937 A2 19980302
US 2000-576029 A 20000523

IT 472958-38-6P, Apo 1073
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of thiadiazole amino acid derivs. as inhibitors of cysteine activity dependent enzymes)
RN 472958-38-6 CAPLUS
CN Pentanamide, 2-[[[[(3-methoxy-1,2,4-thiadiazol-5-yl)amino]carbonyl]amino]-4-methyl-N-(3-methylbutyl)-, (2S)- (9CI) (CA INDEX NAME)

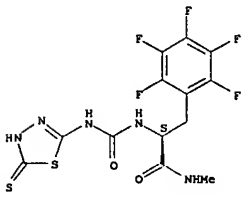
Absolute stereochemistry.

L4 ANSWER 17 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:225915 CAPLUS
DOCUMENT NUMBER: 137:119052
TITLE: A comparative docking study and the design of potentially selective MMP inhibitors
AUTHOR(S): Hanessian, Stephen; Moitessier, Nicolas; Therrien, Eric
CORPORATE SOURCE: Department of Chemistry, Universite de Montreal, Montreal, QC, H3C 3J7, Can.
SOURCE: Journal of Computer-Aided Molecular Design (2001), 15(10), 873-881
CODEN: JCADEQ; ISSN: 0920-654X
PUBLISHER: Kluwer Academic Publishers
DOCUMENT TYPE: Journal
LANGUAGE: English

IT 198701-34-7
RL: PAC (Pharmacological activity); PRP (Properties); BIOL (Biological study)
(comparative docking study and the design of potentially selective MMP inhibitors)
RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α-[[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

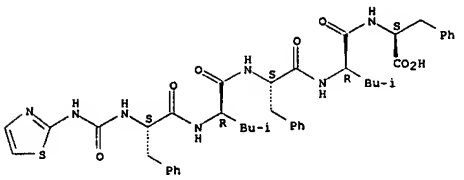


REFERENCE COUNT: 75 THERE ARE 75 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L4 ANSWER 18 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:135341 CAPLUS
DOCUMENT NUMBER: 137:119286
TITLE: C- and N-terminal residue effect on peptide derivatives' antagonism toward the formyl-peptide receptor
AUTHOR(S): Dalpiaz, Alessandro; Ferretti, Maria E.; Vertuani, Gianni; Traniello, Serena; Scatturin, Angelo; Spisani, Susanna
CORPORATE SOURCE: Department of Pharmaceutical Sciences, Ferrara University, Ferrara, 44100, Italy
SOURCE: European Journal of Pharmacology (2002), 436(3), 187-196
CODEN: EJPHAZ; ISSN: 0014-2999
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT. 444094-64-8P 444094-65-9P
RL: BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(Phe-D-Leu-Phe-D-Leu-Phe derivs. as formyl-peptide receptor antagonists in human neutrophils)
RN 444094-64-8 CAPLUS
CN L-Phenylalanine, N-[(2-thiazolylamino)carbonyl]-L-phenylalanyl-D-leucyl-L-phenylalanyl-D-leucyl- (9CI) (CA INDEX NAME)

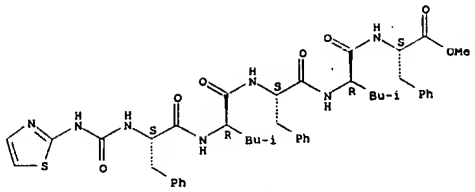
Absolute stereochemistry.



RN 444094-65-9 CAPLUS
CN L-Phenylalanine, N-[(2-thiazolylamino)carbonyl]-L-phenylalanyl-D-leucyl-L-phenylalanyl-D-leucyl-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 18 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



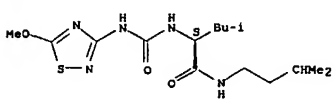
REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 19 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:868441 CAPLUS
DOCUMENT NUMBER: 135:372000
TITLE: Preparation of thiadiazole compounds as inhibitors of cysteine activity dependent enzymes
INVENTOR(S): Karimian, Khashayar; Tam, Tim Fat; Leung-Toung, Regis C. S. H.; Li, Wanren; Bryson, Steve Patrick; Wodzinska, Jolanta Maria
PATENT ASSIGNEE(S): Apotex Inc., Can.
SOURCE: PCT Int. Appl., 104 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001090095	A1	20011129	WO 2001-CA702	20010518
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6468977	B1	20021022	US 2000-576029	20000523
PRIORITY APPLN. INFO.:			US 2000-576029 A	20000523
			US 1998-33937 A2	19980302

OTHER SOURCE(S): MARPAT 135:372000
IT 374632-21-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 3,5-disubstituted 1,2,4-thiadiazoles. as inhibitors of cysteine activity dependent enzymes)
RN 374632-21-0 CAPLUS
CN Pentanamide, 2-[[[(5-methoxy-1,2,4-thiadiazol-3-yl)amino]carbonyl]amino]-4-methyl-N-(3-methylbutyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 19 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Karen Cheng

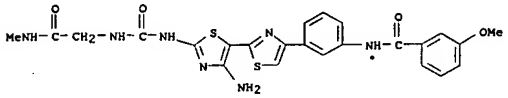
L4 ANSWER 20 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:881130 CAPLUS
DOCUMENT NUMBER: 134:42124
TITLE: Preparation of diaminothiazoles for inhibiting protein kinases
INVENTOR(S): Chu, Shao Song; Alegria, Larry Andrew; Bender, Steven J.; Lee; Benedict, Suzanne Pritchett; Borchardt, Allen Kania, Robert Steve; Nambu, Mitchell David; Tempczyk-Russell, Anna Maria; Sarshar, Sepehr
PATENT ASSIGNEE(S): Agouron Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 397 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075120	A1	20001214	WO 2000-US15188	20000602
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2371158	AA	20001214	CA 2000-2371158	20000602
EP 1181283	A1	20020227	EP 2000-942660	20000602
EP 1181283	B1	20050202		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000011585	A	20020319	BR 2000-11585	20000602
HU 200202897	A2	20021228	HU 2002-2897	20000602
JP 2003501420	T2	20030114	JP 2001-501601	20000602
EE 200100659	A	20030217	EE 2001-659	20000602
AU 778071	B2	20041111	AU 2000-57254	20000602
AT 288424	E	20050215	AT 2000-942660	20000602
ES 2234628	T3	20050701	ES 2000-942660	20000602
US 2002025976	A1	20020228	US 2001-783584	20010215
US 6620828	B2	20030916		
ZA 2001008291	A	20021009	ZA 2001-8291	20011009
NO 2001005045	A	20020204	NO 2001-5045	20011017
BG 106276	A	20021031	BG 2002-106276	20020103

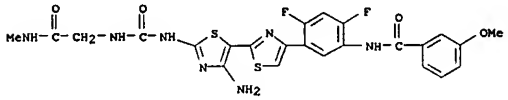
PRIORITY APPLN. INFO.:
US 1999-137810P P 19990604
US 2000-587530 B1 20000602
WO 2000-US15188 W 20000602

OTHER SOURCE(S): MARPAT 134:42124
IT 312767-43-4 312768-20-0 312768-96-0
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

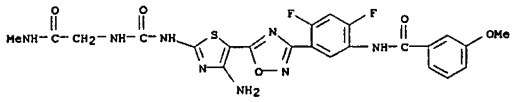
L4 ANSWER 20 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(prepn. of diaminothiazoles for inhibiting protein kinases)
RN 312767-43-4 CAPLUS
CN Benzamide, N-[3-[4'-amino-2'-[[[[2-(methylamino)-2-oxoethyl]amino]carbonyl]amino][2,5'-bithiazol]-4-yl]phenyl]-3-methoxy- (9CI) (CA INDEX NAME)



RN 312768-20-0 CAPLUS
CN Benzamide, N-[5-[4'-amino-2'-[[[[2-(methylamino)-2-oxoethyl]amino]carbonyl]amino][2,5'-bithiazol]-4-yl]-2,4-difluorophenyl]-3-methoxy- (9CI) (CA INDEX NAME)



RN 312768-96-0 CAPLUS
CN Benzamide, N-[5-[5-[4-amino-2-[[[[2-(methylamino)-2-oxoethyl]amino]carbonyl]amino]-5-thiazolyl]-1,2,4-oxadiazol-3-yl]-2,4-difluorophenyl]-3-methoxy- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 21 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:666701 CAPLUS
DOCUMENT NUMBER: 133:252050
TITLE: Preparation of novel N-cyanomethyl amide compounds and compositions as protease inhibitors to treat osteoporosis
INVENTOR(S): Bryant, Clifford M.; Palmer, James T.; Rydzewski, Robert M.; Setti, Eduardo L.; Tian, Zong-Qiang; Venkatraman, Shankar; Wang, Dan-Xiong
PATENT ASSIGNEE(S): Axys Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 155 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000055126	A2	20000921	WO 2000-US6837	20000315
WO 2000055126	A3	20010222		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2368148	AA	20000921	CA 2000-2368148	20000315
EP 1161415	A2	20011212	EP 2000-916375	20000315
EP 1161415	B1	20050713		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000009043	A	20020108	BR 2000-9043	20000315
TR 200103337	T2	20020321	TR 2001-3337	20000315
TR 200103390	T2	20020521	TR 2001-3390	20000315
HU 200200347	A2	20020629	HU 2002-347	20000315
HU 200200503	A2	20020629	HU 2002-503	20000315
US 6455502	B1	20020924	US 2000-526090	20000315
TR 200201874	T2	20021021	TR 2002-1874	20000315
US 6476026	B1	20021105	US 2000-526485	20000315
JP 2002539192	T2	20021119	JP 2000-605557	20000315
EE 200100487	A	20030217	EE 2001-487	20000315
AU 769736	B2	20040205	AU 2000-37486	20000315
PT 1178958	T	20040730	PT 2000-916343	20000315
EP 1452522	A2	20040901	EP 2004-75486	20000315
EP 1452522	A3	20050209		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LT, LV, FI, MK, CY, AL				
ES 2215626	T3	20041016	ES 2000-916343	20000315
AT 299493	E	20050715	AT 2000-916375	20000315
ES 2245303	T3	20060101	ES 2000-916375	20000315
ZA 2001007494	A	20020911	ZA 2001-7494	20010911
ZA 2001007495	A	20020911	ZA 2001-7495	20010911
NO 2001004484	A	20011026	NO 2001-4484	20010914
BG 106013	A	20020531	BG 2001-106013	20011012
HR 2001000737	A1	20021031	HR 2001-737	20011012
US 2002086996	A1	20020704	US 2001-17851	20011214

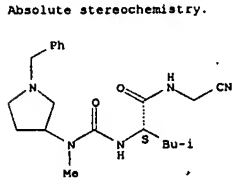
L4 ANSWER 21 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

US 6593327	B2	20030715		
US 2003096796	A1	20030522	US 2002-205600	20020724
US 2003119788	A1	20030626	US 2002-241001	20020909
US 2004147745	A1	20040729	US 2004-758893	20040115

PRIORITY APPLN. INFO.:
US 1999-124420P P 19990315
EP 2000-916343 A3 20000315
US 2000-526090 A1 20000315
US 2000-526485 A3 20000315
WO 2000-US6837 W 20000315
US 2002-205600 B1 20020724

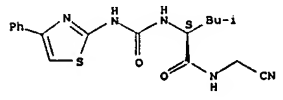
OTHER SOURCE(S): MARPAT 133:252050
IT 294620-71-6P 294622-11-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel N-cyanomethyl amides and compns. as protease inhibitors)
RN 294620-71-6 CAPLUS
CN Pentanamide, N-(cyanomethyl)-4-methyl-2-[[[methyl[1-(phenylmethyl)-3-pyrrolidinyl]amino]carbonyl]amino]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 294622-11-0 CAPLUS
CN Pentanamide, N-(cyanomethyl)-4-methyl-2-[[[(4-phenyl-2-thiazolyl)amino]carbonyl]amino]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

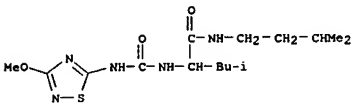


Karen Cheng

L4 ANSWER 22 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:622484 CAPLUS
DOCUMENT NUMBER: 133:207900
TITLE: Preparation of 1,2,4-thiadiazolo[4,5-a]benzimidazoles and analogs as thiol scavengers
INVENTOR(S): Karimian, Khashayar; Tam, Tim F.; Desilets, Denis; Lee, Sue; Cappelletto, Tullio; Li, Wanren
PATENT ASSIGNEE(S): Apotex Inc., Can.
SOURCE: U.S., 32 pp., Cont.-in-part of U.S. Ser. No. 606,705, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6114537	A	20000905	US 1997-803651	19970221
CA 2247899	AA	19970904	CA 1997-2247899	19970226
CN 1216527	A	19990512	CN 1997-193972	19970226
HU 9901789	A2	19990830	HU 1999-1789	19970226
SK 282758	B6	20021203	SK 1998-1176	19970226
PRIORITY APPLN. INFO.:			US 1996-606705	B2 19960226
			US 1997-803651	A 19970221
			WO 1997-CA137	W 19970226

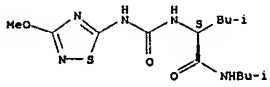
OTHER SOURCE(S): MARPAT 133:207900
IT 196412-14-3P 290313-00-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 1,2,4-thiadiazolo[4,5-a]benzimidazoles and analogs as thiol scavengers)
RN 196412-14-3 CAPLUS
CN Pentanamide, 2-[[[(3-methoxy-1,2,4-thiadiazol-5-yl)amino]carbonyl]amino]-4-methyl-N-(3-methylbutyl)- (9CI) (CA INDEX NAME)



RN 290313-00-7 CAPLUS
CN Pentanamide, 2-[[[(3-methoxy-1,2,4-thiadiazol-5-yl)amino]carbonyl]amino]-4-

L4 ANSWER 22 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
methyl-N-(2-methylpropyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

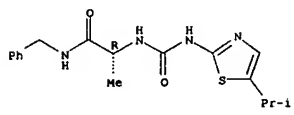
L4 ANSWER 23 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:314688 CAPLUS
DOCUMENT NUMBER: 132:334455
TITLE: 2-Ureidothiazole derivatives, process for their preparation, and their use as antitumor agents
INVENTOR(S): Pevarello, Paolo; Amici, Raffaella; Traquandi, Gabriella; Villa, Manuela; Vulpetti, Anna; Isacchi, Antonella
PATENT ASSIGNEE(S): Pharmacia & Upjohn S.p.A., Italy
SOURCE: PCT Int. Appl., 95 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000026203	A1	20000511	WO 1999-EP8307	19991027
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2347060	AA	20000511	CA 1999-2347060	19991027
BR 9914868	A	20010703	BR 1999-14868	19991027
EP 1124811	A1	20010822	EP 1999-953959	19991027
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
HU 200104167	A2	20020328	HU 2001-4167	19991027
JP 2002528538	T2	20020903	JP 2000-579592	19991027
NZ 510967	A	20031031	NZ 1999-510967	19991027
AU 771166	B2	20040318	AU 2000-10447	19991027
ZA 2001002869	A	20011010	ZA 2001-2869	20010406
NO 2001002058	A	20010628	NO 2001-2058	20010426
US 2003187040	A1	20031002	US 2001-830668	20010430
US 6863647	B2	20050308		
US 2004157827	A1	20040812	US 2004-770019	20040202
AU 2004202678	A1	20040715	AU 2004-202678	20040618
PRIORITY APPLN. INFO.:			GB 1998-23873	A 19981030
			AU 2000-10447	A3 19991027
			WO 1999-EP8307	W 19991027
			US 2001-830668	A1 20010430

OTHER SOURCE(S): MARPAT 132:334455
IT 267430-87-5P, (2R)-N-Benzyl-2-[[[(5-isopropyl-1,3-thiazol-2-yl)amino]carbonyl]amino]propanamide
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compound; preparation of ureidothiazole derivs. as antitumor agents)
RN 267430-87-5 CAPLUS
CN Propanamide, 2-[[[5-(1-methylethyl)-2-thiazolyl]amino]carbonyl]amino]-N-

L4 ANSWER 23 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(phenylmethyl)-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

Karen Cheng

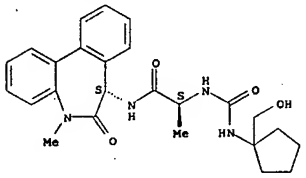
L4 ANSWER 24 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:819353 CAPLUS
DOCUMENT NUMBER: 132:64534
TITLE: Preparation of cyclic amino acid compounds for inhibiting β-amyloid peptide release and/or its synthesis
INVENTOR(S): Thompson, Richard C.; Wilkie, Stephen; Stack, Douglas R.; Vanmeter, Eldon E.; Shi, Qing; Britton, Thomas C.; Audia, James E.; Reel, Jon K.; Mabry, Thomas E.; Dressman, Bruce A.; Cwi, Cynthia L.; Henry, Steven S.; Mcdaniel, Stacey L.; Stucky, Russell D.; Porter, Warren J.
PATENT ASSIGNEE(S): Elan Pharmaceuticals, Inc., USA; Eli Lilly & Company; et al.
SOURCE: PCT Int. Appl., 714 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9967221	A1	19991229	WO 1999-US14193	19990622
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2325389	AA	19991229	CA 1999-2325389	19990622
AU 9947101	A1	20000110	AU 1999-47101	19990622
EP 1089980	A1	20010411	EP 1999-930594	19990622
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002518483	T2	20020625	JP 2000-555875	19990622
US 2005192265	A1	20050901	US 2004-2922	20041203
PRIORITY APPLN. INFO.:			US 1998-102507	A2 19980622
			WO 1999-US14193	W 19990622
			US 2003-392332	A3 20030320

OTHER SOURCE(S): MARPAT 132:64534
IT 253324-13-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of cyclic amino acid compds. for inhibiting β-amyloid peptide release)
RN 253324-13-9 CAPLUS

L4 ANSWER 24 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN Propanamide, N-[(7S)-6,7-dihydro-5-methyl-6-oxo-5H-dibenz[b,d]azepin-7-yl]-2-[[[1-(hydroxymethyl)cyclopentyl]amino]carbonyl]amino]-, (2S)- (9CI) (CA INDEX NAME)

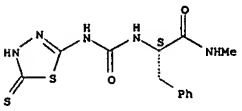
Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

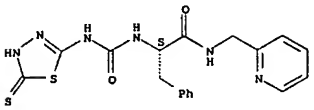
L4 ANSWER 25 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:711891 CAPLUS
DOCUMENT NUMBER: 132:89896
TITLE: A Fluorescence Resonance Energy Transfer Method for Measuring the Binding of Inhibitors to Stromelysin
AUTHOR(S): Epps, Dennis E.; Mitchell, Mark A.; Petzold, Gary L.; VanDrie, John H.; Poorman, Roger A.
CORPORATE SOURCE: Pharmacia and Upjohn Company, Kalamazoo, MI, 49001, USA
SOURCE: Analytical Biochemistry (1999), 275(2), 141-147
CODEN: ANBCA2; ISSN: 0003-2697
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198700-58-2, Pnu 107859 198700-63-9, PNU 109648 198701-33-6, PNU 140171
RL: PRP (Properties)
(fluorescence resonance energy transfer method for measuring binding of thiadiazole-containing inhibitors to stromelysin)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-63-9 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(2-pyridinylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

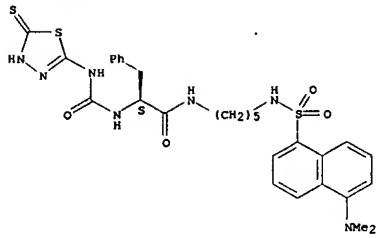
Absolute stereochemistry. Rotation (+).



RN 198701-33-6 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[5-[[[5-(dimethylamino)-1-naphthalenyl]sulfonyl]amino]pentyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

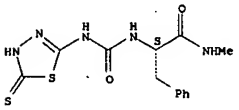
L4 ANSWER 25 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 26 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:710339 CAPLUS
DOCUMENT NUMBER: 132:46866
TITLE: Dynamics of stromelysin/inhibitor interactions studied
by 15N NMR relaxation measurements: comparison of ligand binding to the S1-S3 and S1'-S3' subsites
AUTHOR(S): Yuan, Peng; Marshall, Vincent P.; Petzold, Gary L.; Poorman, Roger A.; Stockman, Brian J.
CORPORATE SOURCE: Structural, Analytical and Medicinal Chemistry, Pharmacia and Upjohn, Kalamazoo, MI, 49001, USA
SOURCE: Journal of Biomolecular NMR (1999), 15(1), 55-64
CODEN: JBNME9; ISSN: 0925-2738
PUBLISHER: Kluwer Academic Publishers
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198700-58-2, PNU-107859 198701-34-7, PNU-142372
RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)
(dynamics of stromelysin/inhibitor interactions studied by 15N NMR relaxation measurements and comparison of ligand binding to S1-S3 and S1'-S3' subsites)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

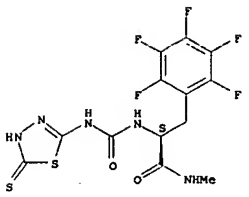
Absolute stereochemistry. Rotation (+).



RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

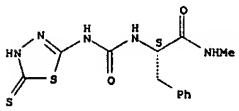
L4 ANSWER 26 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 27 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:660598 CAPLUS
DOCUMENT NUMBER: 132:46830
TITLE: Thermodynamic and circular dichroism studies differentiate inhibitor interactions with the stromelysin S1-S3 and S'1-S'3 subsites
AUTHOR(S): Sarver, R. W.; Yuan, P.; Marshall, V. P.; Petzold, G. L.; Poorman, R. A.; DeZwaan, J.; Stockman, B. J.
CORPORATE SOURCE: Structural, Analytical and Medicinal Chemistry, Pharmacia and Upjohn Inc., Kalamazoo, MI, USA
SOURCE: Biochimica et Biophysica Acta, Protein Structure and Molecular Enzymology (1999), 1434(2), 304-316
CODEN: BBAEDZ; ISSN: 0167-4838
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198700-58-2, PNU-107859 198701-04-1, PNU 143988
198701-34-7, PNU-142372
RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(thermodn. and CD studies differentiate inhibitor interactions with stromelysin S1-S3 and S'1-S'3 subsites)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

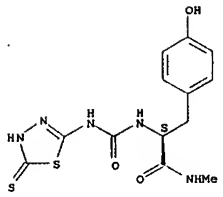
Absolute stereochemistry. Rotation (+).



RN 198701-04-1 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-hydroxy-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

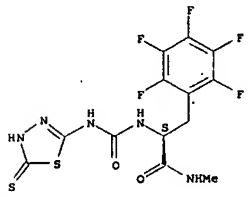
Absolute stereochemistry. Rotation (+).

L4 ANSWER 27 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

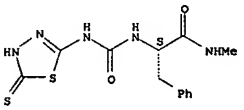
Absolute stereochemistry.



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 28 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:294315 CAPLUS
DOCUMENT NUMBER: 131:110853
TITLE: Isolation and Identification of a Major Metabolite of PNU-107859, an MMP Inhibitor from the Biliary Fluid of Rats
AUTHOR(S): Kuo, Ming-Shang; Yurek, David A.; Mizsak, Steve A.; Prairie, Mark D.; Mattern, Sally J.; DeKoning, Thomas F.
CORPORATE SOURCE: Discovery Technologies Structural Analytical and Medicinal Chemistry and Transgenic Therapeutic in Vivo Core Group, Pharmacia and Upjohn, Kalamazoo, MI, 49001, USA
SOURCE: Journal of Pharmaceutical Sciences (1999), 88(7), 705-708
CODEN: JPMSAE; ISSN: 0022-3549
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198700-58-2, PNU-107859
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(metabolite of PNU-107859 in bile)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

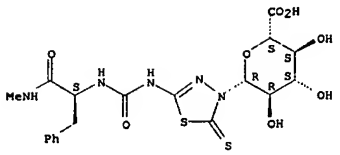
Absolute stereochemistry. Rotation (+).



IT 232620-09-6
RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative)
(metabolite of PNU-107859 in bile)
RN 232620-09-6 CAPLUS
CN β-D-Glucopyranuronic acid, 1-deoxy-1-[5-[[[[(1S)-2-(methylamino)-2-oxo-1-(phenylmethyl)ethyl]amino]carbonyl]amino]-2-thioxo-1,3,4-thiadiazol-3(2H)-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

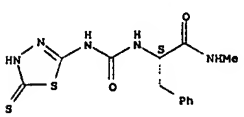
L4 ANSWER 28 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:234515 CAPLUS
DOCUMENT NUMBER: 131:31909
TITLE: Synthesis of a Series of Stromelysin-Selective Thiadiazole Urea Matrix Metalloproteinase Inhibitors
AUTHOR(S): Jacobsen, E. Jon; Mitchell, Mark A.; Hendges, Susan K.; Belonga, Kenneth L.; Skaletzky, Louis L.; Stelzer,. Lindsay S.; Lindberg, Thomas. J.; Fritzen, Edward L.; Schostarez, Heinrich J.; O'Sullivan, Theresa J.; Maggiora, Linda L.; Stuchly, Christopher W.; Laborde, Alice L.; Kubicek, Marc F.; Poorman, Roger A.; Beck, Joan M.; Miller, Henry R.; Petzold, Gary L.; Scott, Pam S.; Truesdell, Scott E.; Wallace, Tanya L.; Wilks, John W.; Fisher, Christopher; Goodman, Linda V.; Kaytes, Paul S.; Ledbetter, Stephen R.; Powers, Elaine A.; Vogeli, Gabriel; Mott, John E.; Trepod, Catherine M.; Staples, Douglas J.; Baldwin, Eric T.; Finzel, Barry C.
CORPORATE SOURCE: Departments of Structural Analytical and Medicinal Chemistry Protein Science Genomics Discovery Technologies Cell and Molecular Biology and Chemical Process Research Preparations, Pharmacia Upjohn, Kalamazoo, MI, 49007, USA
SOURCE: Journal of Medicinal Chemistry (1999), 42(9), 1525-1536
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 131:31909
IT 198700-58-2P 198700-60-6P 198700-61-7P
198700-64-0P 198700-66-2P 198700-72-0P
198700-81-1P 198700-82-2P 198700-87-7P
198700-89-9P 198700-94-6P 198701-04-1P
198701-17-6P 198701-26-7P 198701-34-7P
226211-42-3P 226211-43-4P 226211-44-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(stromelysin-selective thiadiazole urea matrix metalloproteinase inhibitors)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

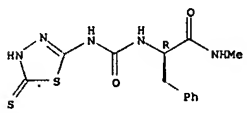


Karen Cheng

L4 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

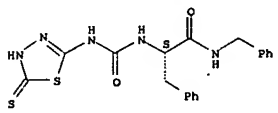
RN 198700-60-6 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



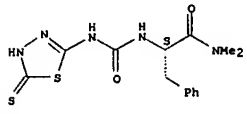
RN 198700-61-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(phenylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-64-0 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N,N-dimethyl-, (αS)- (9CI) (CA INDEX NAME)

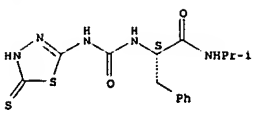
Absolute stereochemistry. Rotation (+).



RN 198700-66-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(1-methylethyl)-, (αS)- (9CI) (CA INDEX NAME)

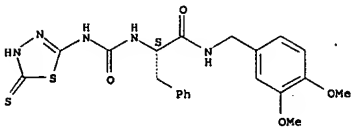
Absolute stereochemistry. Rotation (+).

L4 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



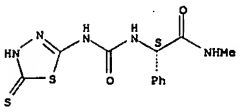
RN 198700-72-0 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[(3,4-dimethoxyphenyl)methyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-81-1 CAPLUS
CN Benzeneacetamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

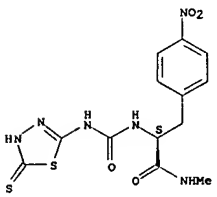
Absolute stereochemistry. Rotation (+).



RN 198700-82-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-fluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

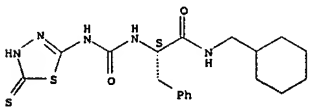
Absolute stereochemistry. Rotation (+).

L4 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



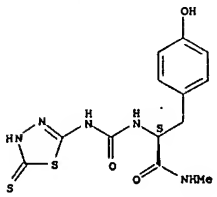
RN 198700-94-6 CAPLUS
CN Benzenepropanamide, N-(cyclohexylmethyl)-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



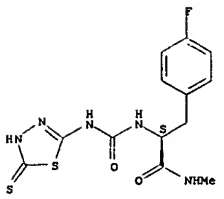
RN 198701-04-1 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-hydroxy-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



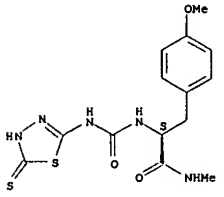
RN 198701-17-6 CAPLUS
CN Cyclohexanepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-

L4 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 198700-87-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-methoxy-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

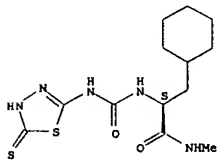


RN 198700-89-9 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-4-nitro-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

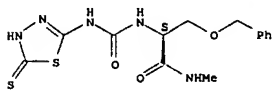
L4 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



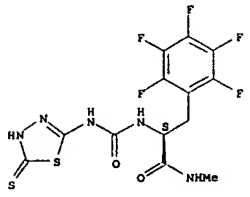
RN 198701-26-7 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-(phenylmethoxy)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



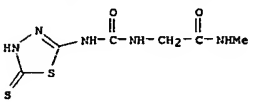
RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



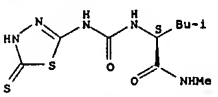
RN 226211-42-3 CAPLUS
CN Acetamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl- (9CI) (CA INDEX NAME)

L4 ANSWER 29 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



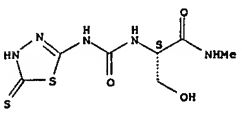
RN 226211-43-4 CAPLUS
CN Pentanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N,4-dimethyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 226211-44-5 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-hydroxy-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



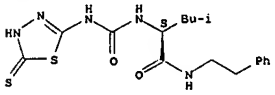
REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:788775 CAPLUS
DOCUMENT NUMBER: 130:38702
TITLE: Preparation of thiadiazole derivatives useful for the treatment of diseases related to connective tissue degradation
INVENTOR(S): Jacobsen, Eric J.; Mitchell, Mark A.; Schostarez, Heinrich J.; Harper, Donald E.
PATENT ASSIGNEE(S): Pharmacia & Upjohn Company, USA
SOURCE: U.S., 29 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5847148	A	19981208	US 1997-835599	19970410
PRIORITY APPLN. INFO.:			US 1997-835599	19970410

OTHER SOURCE(S): MARPAT 130:38702
IT 198700-84-4P 198700-89-9P 198700-98-0P
198701-26-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of thiadiazole amino acid derivs. for treatment of diseases
related to connective tissue degradation)
RN 198700-84-4 CAPLUS
CN Pentanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-methyl-N-(2-phenylethyl)-, (2S)- (9CI) (CA INDEX NAME)

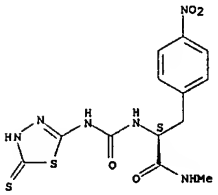
Absolute stereochemistry. Rotation (-).



RN 198700-89-9 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-4-nitro-, (αS)- (9CI) (CA INDEX NAME)

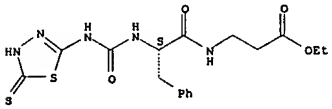
Absolute stereochemistry. Rotation (+).

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



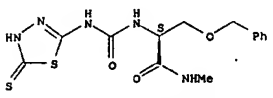
RN 198700-98-0 CAPLUS
CN β-Alanine, N-[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]-L-phenylalanyl-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-26-7 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-(phenylmethoxy)-, (2S)- (9CI) (CA INDEX NAME)

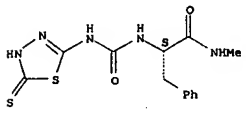
Absolute stereochemistry. Rotation (+).



IT 198700-58-2P 198700-60-6P 198700-61-7P
198700-62-8P 198700-63-9P 198700-64-0P
198700-66-2P 198700-67-3P 198700-69-5P
198700-72-0P 198700-73-1P 198700-74-2P
198700-75-3P 198700-76-4P 198700-81-1P
198700-82-2P 198700-85-5P 198700-87-7P
198700-90-2P 198700-91-3P 198700-93-5P
198700-94-6P 198700-97-9P 198700-99-1P
198701-00-7P 198701-02-9P 198701-04-1P
198701-05-2P 198701-07-4P 198701-08-5P
198701-09-6P 198701-10-9P 198701-14-3P

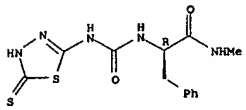
L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
198701-15-4P 198701-17-6P 198701-18-7P
198701-19-8P 198701-23-4P 198701-27-8P
198701-29-0P 198701-30-3P 198701-32-5P
198701-33-6P 198701-34-7P 198701-36-9P
198701-38-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of thiadiazole amino acid derivs. for treatment of diseases related to connective tissue degrdn.)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



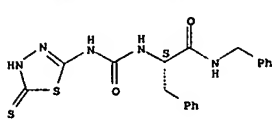
RN 198700-60-6 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 198700-61-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(phenylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

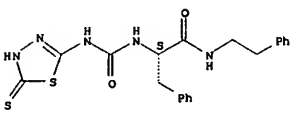


Karen Cheng

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

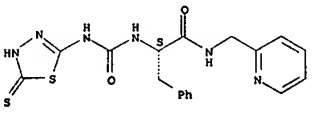
RN 198700-62-8 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(2-phenylethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



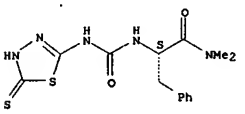
RN 198700-63-9 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(2-pyridinylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



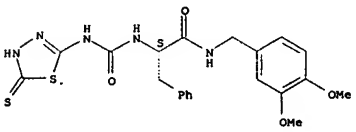
RN 198700-64-0 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N,N-dimethyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



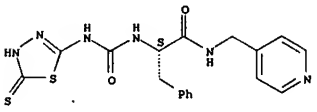
RN 198700-66-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(1-methylethyl)-, (αS)- (9CI) (CA INDEX NAME)

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



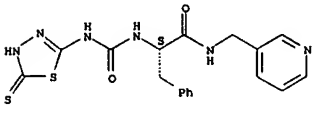
RN 198700-73-1 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(4-pyridinylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 198700-74-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(3-pyridinylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

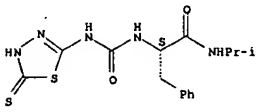


RN 198700-75-3 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[2-(4-morpholinyl)ethyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

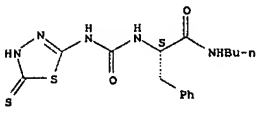
L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Absolute stereochemistry. Rotation (+).



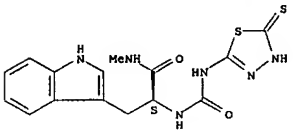
RN 198700-67-3 CAPLUS
CN Benzenepropanamide, N-butyl-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-69-5 CAPLUS
CN 1H-Indole-3-propanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

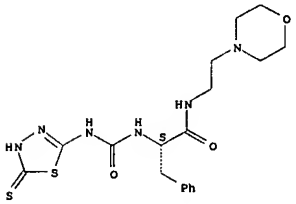
Absolute stereochemistry. Rotation (+).



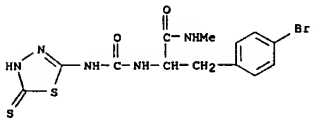
RN 198700-72-0 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[(3,4-dimethoxyphenyl)methyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

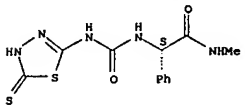


RN 198700-76-4 CAPLUS
CN Benzenepropanamide, 4-bromo-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl- (9CI) (CA INDEX NAME)



RN 198700-81-1 CAPLUS
CN Benzeneacetamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

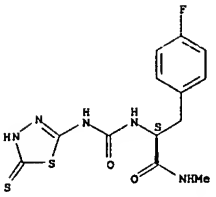
Absolute stereochemistry. Rotation (+).



RN 198700-82-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-fluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

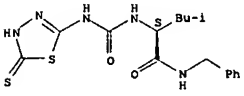
Absolute stereochemistry. Rotation (+).

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



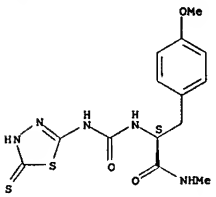
RN 198700-85-5 CAPLUS
CN Pentanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-methyl-N-(phenylmethyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



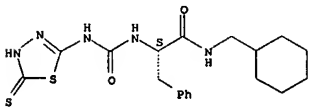
RN 198700-87-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-methoxy-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



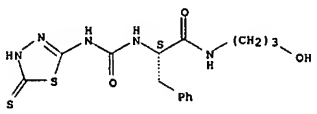
L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Absolute stereochemistry. Rotation (+).



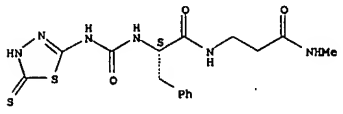
RN 198700-97-9 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(3-hydroxypropyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-99-1 CAPLUS
CN β-Alaninamide, N-[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]-L-phenylalanyl-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



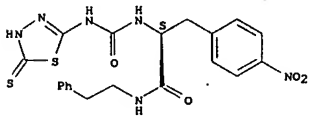
RN 198701-00-7 CAPLUS
CN β-Alanine, N-[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]-L-phenylalanyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

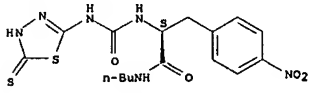
RN 198700-90-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-nitro-N-(2-phenylethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



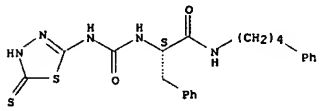
RN 198700-91-3 CAPLUS
CN Benzenepropanamide, N-butyl-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-nitro-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



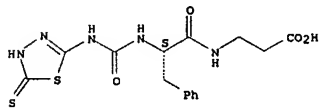
RN 198700-93-5 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(4-phenylbutyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



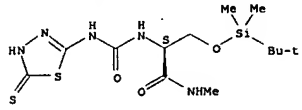
RN 198700-94-6 CAPLUS
CN Benzenepropanamide, N-(cyclohexylmethyl)-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



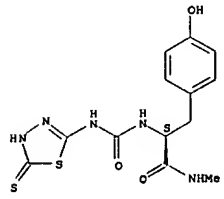
RN 198701-02-9 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-04-1 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-hydroxy-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

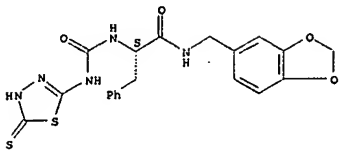
Absolute stereochemistry. Rotation (+).



RN 198701-05-2 CAPLUS
CN Benzenepropanamide, N-(1,3-benzodioxol-5-ylmethyl)-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

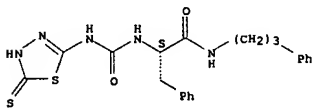
Absolute stereochemistry.

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



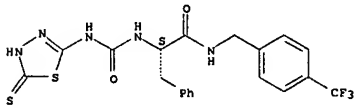
RN 198701-07-4 CAPLUS
CN Benzenepropanamide, α-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-N-(3-phenylpropyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 198701-08-5 CAPLUS
CN Benzenepropanamide, α-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-N-[[4-(trifluoromethyl)phenyl]methyl]-, (αS)- (9CI) (CA INDEX NAME)

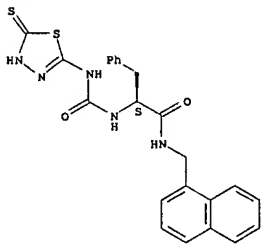
Absolute stereochemistry.



RN 198701-09-6 CAPLUS
CN Benzenepropanamide, α-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-N-[(4-nitrophenyl)methyl]-, (αS)- (9CI) (CA INDEX NAME)

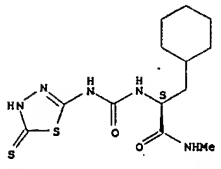
Absolute stereochemistry.

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



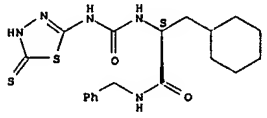
RN 198701-17-6 CAPLUS
CN Cyclohexanepropanamide, α-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



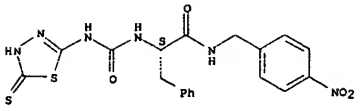
RN 198701-18-7 CAPLUS
CN Cyclohexanepropanamide, α-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-N-(phenylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



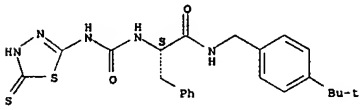
RN 198701-19-8 CAPLUS
CN Cyclohexanepropanamide, α-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-N-(2-phenylethyl)-, (αS)- (9CI) (CA

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



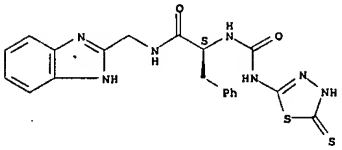
RN 198701-10-9 CAPLUS
CN Benzenepropanamide, α-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-N-[[4-(1,1-dimethylethyl)phenyl]methyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 198701-14-3 CAPLUS
CN Benzenepropanamide, N-(1H-benzimidazol-2-ylmethyl)-α-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

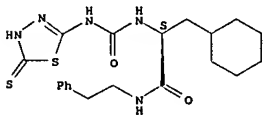


RN 198701-15-4 CAPLUS
CN Benzenepropanamide, α-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-N-(1-naphthalenylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

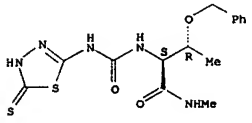
L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
INDEX NAME)

Absolute stereochemistry. Rotation (-).



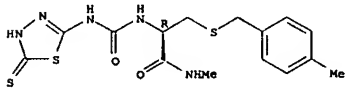
RN 198701-23-4 CAPLUS
CN Butanamide, 2-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-N-methyl-3-(phenylmethoxy)-, (2S,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-27-8 CAPLUS
CN Propanamide, 2-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-N-methyl-3-[[(4-methylphenyl)methyl]thio]-, (2R)-
(9CI) (CA INDEX NAME)

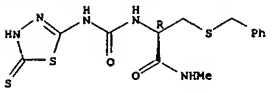
Absolute stereochemistry. Rotation (+).



RN 198701-29-0 CAPLUS
CN Propanamide, 2-[[[[4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl]amino]carbonyl]amino]-N-methyl-3-[(phenylmethyl)thio]-, (2R)- (9CI) (CA INDEX NAME)

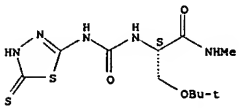
Absolute stereochemistry. Rotation (+).

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



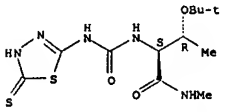
RN 198701-30-3 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-(1,1-dimethylethoxy)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 198701-32-5 CAPLUS
CN Butanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-(1,1-dimethylethoxy)-N-methyl-, (2S,3R)- (9CI) (CA INDEX NAME)

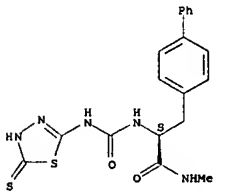
Absolute stereochemistry.



RN 198701-33-6 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[5-[[[5-(dimethylamino)-1-naphthalenyl]sulfonyl]amino]pentyl]-, (αS)- (9CI) (CA INDEX NAME)

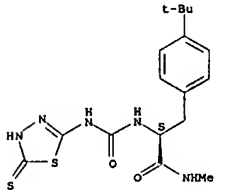
Absolute stereochemistry.

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



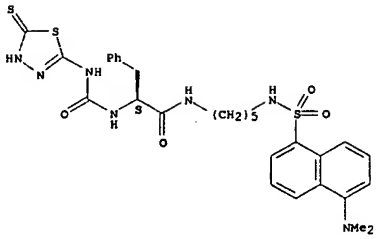
RN 198701-38-1 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-(1,1-dimethylethyl)-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



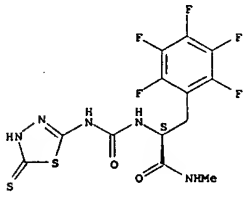
REFERENCE COUNT: 10 THIS FORMAT THERE ARE 10 CITED REFERENCES AVAILABLE FOR RECORD. ALL CITATIONS AVAILABLE IN THE RE

L4 ANSWER 30 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



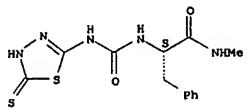
RN 198701-36-9 CAPLUS
CN [1,1'-Biphenyl]-4-propanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 31 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:725828 CAPLUS
DOCUMENT NUMBER: 130:77830
TITLE: Solution structures of stromelysin complexed to thiadiazole inhibitors
AUTHOR(S): Stockman, Brian J.; Waldon, Daniel J.; Gates, Jo A.; Scahill, Terrence A.; Kloosterman, David A.; Mizsak, Stephen A.; Jacobsen, E. Jon; Belonga, Kenneth L.; Mitchell, Mark A.; Mao, Boryeu; Petke, James D.; Goodman, Linda; Powers, Elaine A.; Ledbetter, Steven R.; Kaytes, Paul S.; Vogeli, Gabriel; Marshall, Vincent P.; Petzold, Gary L.; Poorman, Roger A.
CORPORATE SOURCE: Structural, Analytical and Medicinal Chemistry, Pharmacia and Upjohn, Kalamazoo, MI, 49001, USA
SOURCE: Protein Science (1998), 7(11), 2281-2286
CODEN: PRCIEI; ISSN: 0961-8368
PUBLISHER: Cambridge University Press
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 198700-58-2D, PNU 107859, complexes with stromelysin
198701-34-7D, PNU 142372, complexes with stromelysin
RL: PRP (Properties)
(solution structures of stromelysin complexed to thiadiazole inhibitors)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

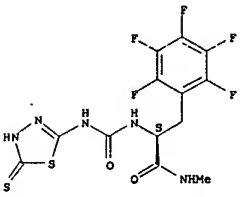
Absolute stereochemistry. Rotation (+).



RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 31 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



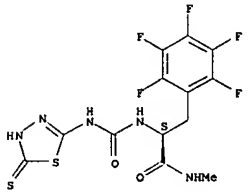
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 32 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:700614 CAPLUS
DOCUMENT NUMBER: 130:49058
TITLE: Structural characterizations of nonpeptidic thiadiazole inhibitors of matrix metalloproteinases reveal the basis for stromelysin selectivity
AUTHOR(S): Finzel, B. C.; Baldwin, E. T.; Bryant, G. L., Jr.; Hess, G. F.; Wilks, J. W.; Trepod, C. M.; Mott, J. E.; Marshall, V. P.; Petzold, G. L.; Poorman, R. A.; O'Sullivan, T. J.; Schostarez, H. J.; Mitchell, M. A.
CORPORATE SOURCE: Structural, Analytical and Medicinal Chemistry, Pharmacia and Upjohn, Kalamazoo, MI, 49007, USA
SOURCE: Protein Science (1998), 7(10), 2118-2126
CODEN: PRCIEI; ISSN: 0961-8368
PUBLISHER: Cambridge University Press
DOCUMENT TYPE: Journal
LANGUAGE: English

IT 198701-34-7D, PNU 142372, complexes with stromelysin
RL: PRP (Properties)
(x-ray diffraction studies of amide and urea thiadiazole inhibitors complexed with stromelysin catalytic domain)
RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:717904 CAPLUS
DOCUMENT NUMBER: 128:3886
TITLE: Preparation of thiadiazolyl(thio)ureas useful as matrix metalloprotease inhibitors
INVENTOR(S): Jacobsen, E. Jon; Mitchell, Mark A.; Schostarez, Heinrich Joseph; Harper, Donald E.
PATENT ASSIGNEE(S): Pharmacia & Upjohn Co., USA; Jacobsen, E. Jon; Mitchell, Mark A.; Schostarez, Heinrich Joseph; Harper, Donald E.
SOURCE: PCT Int. Appl., 85 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

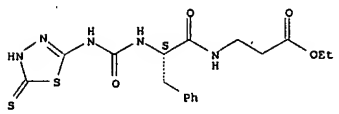
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9740031	A1	19971030	WO 1997-US5428	19970410
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9726036	A1	19971112	AU 1997-26036	19970410
EP 900211	A1	19990310	EP 1997-917801	19970410
EP 900211	B1	20030702		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
JP 2000509039	T2	20000718	JP 1997-538079	19970410
AT 244229	E	20030715	AT 1997-917801	19970410
PT 900211	T	20031031	PT 1997-917801	19970410
ES 2202602	T3	20040401	ES 1997-917801	19970410
PRIORITY APPLN. INFO.:			US 1996-16003P P	19960423
			WO 1997-US5428 W	19970410

OTHER SOURCE(S): MARPAT 128:3886

IT 198700-98-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of thiadiazolyl(thio)ureas useful as matrix metalloprotease inhibitors)
RN 198700-98-0 CAPLUS
CN β-Alanine, N-[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]-L-phenylalanyl-, ethyl ester (9CI) (CA INDEX NAME)

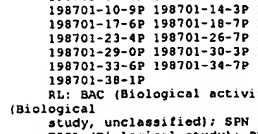
Absolute stereochemistry. Rotation (+).

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 198700-58-2P 198700-60-6P 198700-61-7P
198700-62-8P 198700-63-9P 198700-64-0P
198700-66-2P 198700-67-3P 198700-69-5P
198700-72-0P 198700-73-1P 198700-74-2P
198700-75-3P 198700-76-4P 198700-81-1P
198700-82-2P 198700-84-4P 198700-85-5P
198700-87-7P 198700-89-9P 198700-90-2P
198700-91-3P 198700-93-5P 198700-94-6P
198700-97-9P 198700-99-1P 198701-00-7P
198701-02-9P 198701-04-1P 198701-05-2P
198701-07-4P 198701-08-5P 198701-09-6P
198701-10-9P 198701-14-3P 198701-15-4P
198701-17-6P 198701-18-7P 198701-19-8P
198701-23-4P 198701-26-7P 198701-27-8P
198701-29-0P 198701-30-3P 198701-32-5P
198701-33-6P 198701-34-7P 198701-36-9P
198701-38-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of thiadiazolyl(thio)ureas useful as matrix metalloprotease inhibitors)
RN 198700-58-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

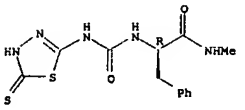
Absolute stereochemistry. Rotation (+).



RN 198700-60-6 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αR)- (9CI) (CA INDEX NAME)

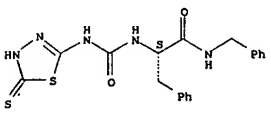
Absolute stereochemistry. Rotation (-).

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



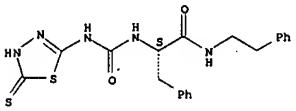
RN 198700-61-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(phenylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-62-8 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(2-phenylethyl)-, (αS)- (9CI) (CA INDEX NAME)

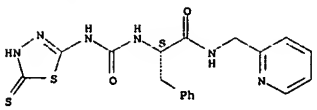
Absolute stereochemistry. Rotation (+).



RN 198700-63-9 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(2-pyridinylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

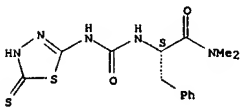
Absolute stereochemistry. Rotation (+).

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



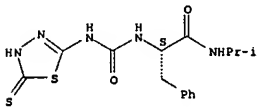
RN 198700-64-0 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N,N-dimethyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-66-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(1-methylethyl)-, (αS)- (9CI) (CA INDEX NAME)

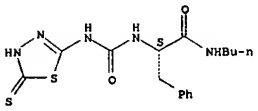
Absolute stereochemistry. Rotation (+).



RN 198700-67-3 CAPLUS
CN Benzenepropanamide, N-butyl-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

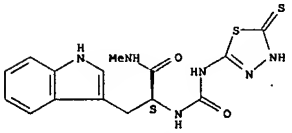
Absolute stereochemistry. Rotation (+).

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



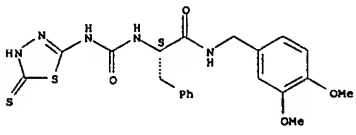
RN 198700-69-5 CAPLUS
CN 1H-Indole-3-propanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-72-0 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[(3,4-dimethoxyphenyl)methyl]-, (αS)- (9CI) (CA INDEX NAME)

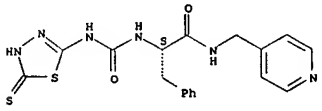
Absolute stereochemistry. Rotation (+).



RN 198700-73-1 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(4-pyridinylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

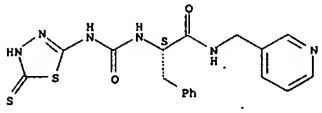
Absolute stereochemistry. Rotation (-).

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



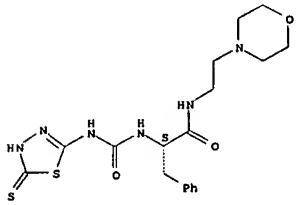
RN 198700-74-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(3-pyridinylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



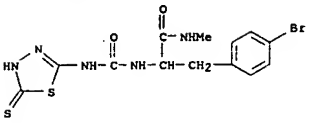
RN 198700-75-3 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[2-(4-morpholinyl)ethyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



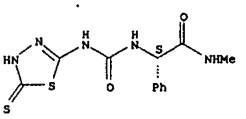
RN 198700-76-4 CAPLUS
CN Benzenepropanamide, 4-bromo-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl- (9CI) (CA INDEX NAME)

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



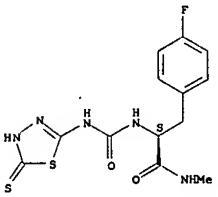
RN 198700-81-1 CAPLUS
CN Benzeneacetamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



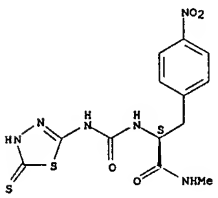
RN 198700-82-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-fluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



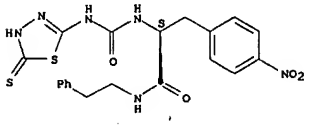
RN 198700-84-4 CAPLUS
CN Pentanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-methyl-N-(2-phenylethyl)-, (2S)- (9CI) (CA INDEX NAME)

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry. Rotation (+).



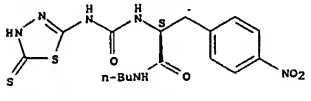
RN 198700-90-2 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-nitro-N-(2-phenylethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-91-3 CAPLUS
CN Benzenepropanamide, N-butyl-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-nitro-, (αS)- (9CI) (CA INDEX NAME)

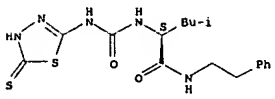
Absolute stereochemistry. Rotation (+).



RN 198700-93-5 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(4-phenylbutyl)-, (αS)- (9CI) (CA INDEX NAME)

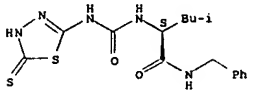
Absolute stereochemistry. Rotation (+).

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry. Rotation (-).



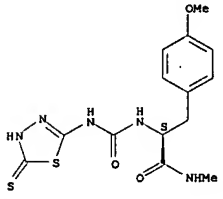
RN 198700-85-5 CAPLUS
CN Pentanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-methyl-N-(phenylmethyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



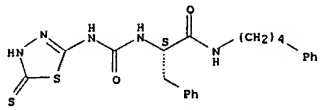
RN 198700-87-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-methoxy-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



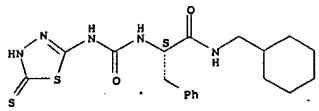
RN 198700-89-9 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-4-nitro-, (αS)- (9CI) (CA INDEX NAME)

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



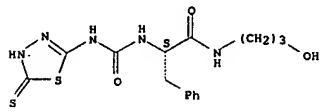
RN 198700-94-6 CAPLUS
CN Benzenepropanamide, N-(cyclohexylmethyl)-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198700-97-9 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(3-hydroxypropyl)-, (αS)- (9CI) (CA INDEX NAME)

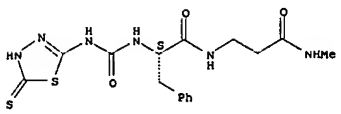
Absolute stereochemistry. Rotation (+).



RN 198700-99-1 CAPLUS
CN β-Alaninamide, N-[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]-L-phenylalanyl-N-methyl- (9CI) (CA INDEX NAME)

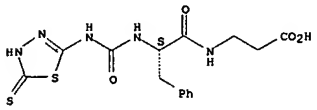
Absolute stereochemistry. Rotation (+).

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



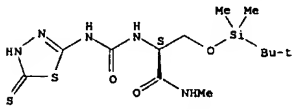
RN 198701-00-7 CAPLUS
CN β-Alanine, N-[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]-L-phenylalanyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-02-9 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

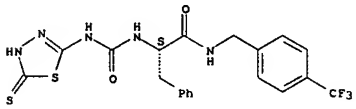


RN 198701-04-1 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-hydroxy-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

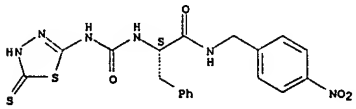
L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[[4-(trifluoromethyl)phenyl]methyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



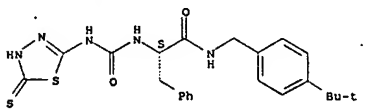
RN 198701-09-6 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[(4-nitrophenyl)methyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 198701-10-9 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[[4-(1,1-dimethylethyl)phenyl]methyl]-, (αS)- (9CI) (CA INDEX NAME)

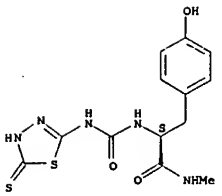
Absolute stereochemistry.



RN 198701-14-3 CAPLUS
CN Benzenepropanamide, N-(1H-benzimidazol-2-ylmethyl)-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

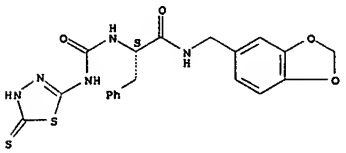
Absolute stereochemistry.

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



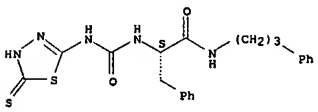
RN 198701-05-2 CAPLUS
CN Benzenepropanamide, N-(1,3-benzodioxol-5-ylmethyl)-α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



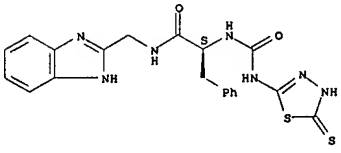
RN 198701-07-4 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(3-phenylpropyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



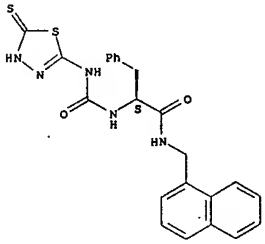
RN 198701-08-5 CAPLUS

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



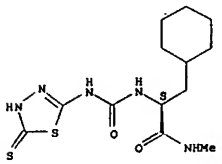
RN 198701-15-4 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(1-naphthalenylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



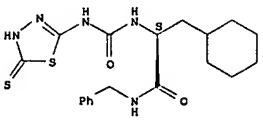
RN 198701-17-6 CAPLUS
CN Cyclohexanepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



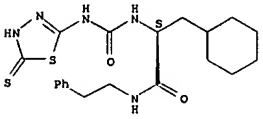
L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 198701-18-7 CAPLUS
CN Cyclohexanepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(phenylmethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



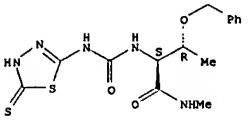
RN 198701-19-8 CAPLUS
CN Cyclohexanepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-(2-phenylethyl)-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



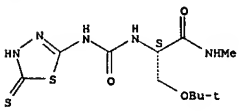
RN 198701-23-4 CAPLUS
CN Butanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-(phenylmethoxy)-, (2S,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



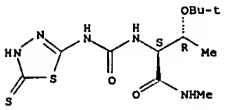
RN 198701-26-7 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-(phenylmethoxy)-, (2S)- (9CI) (CA INDEX NAME)

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



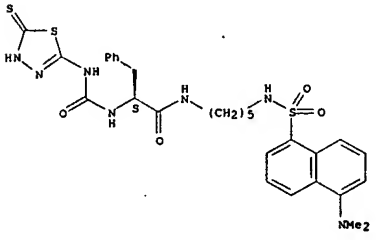
RN 198701-32-5 CAPLUS
CN Butanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-(1,1-dimethylethoxy)-N-methyl-, (2S,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 198701-33-6 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-[5-[[[5-(dimethylamino)-1-naphthalenyl]sulfonyl]amino]pentyl]-, (αS)- (9CI) (CA INDEX NAME)

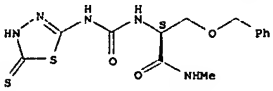
Absolute stereochemistry.



RN 198701-34-7 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-2,3,4,5,6-pentafluoro-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

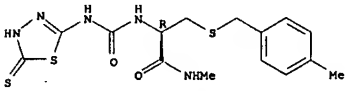
L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Absolute stereochemistry. Rotation (+).



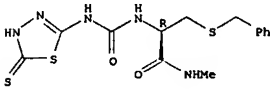
RN 198701-27-8 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-[[(4-methylphenyl)methyl]thio]-, (2R)-
(9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 198701-29-0 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-3-[(phenylmethyl)thio]-, (2R)- (9CI) (CA INDEX NAME)

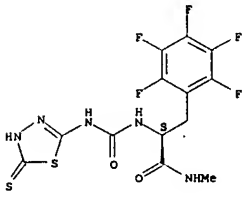
Absolute stereochemistry. Rotation (+).



RN 198701-30-3 CAPLUS
CN Propanamide, 2-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-3-(1,1-dimethylethoxy)-N-methyl-, (2S)- (9CI) (CA INDEX NAME)

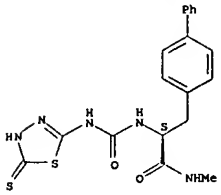
Absolute stereochemistry.

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry.



RN 198701-36-9 CAPLUS
CN [1,1'-Biphenyl]-4-propanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

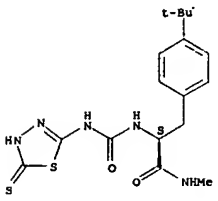
Absolute stereochemistry.



RN 198701-38-1 CAPLUS
CN Benzenepropanamide, α-[[[(4,5-dihydro-5-thioxo-1,3,4-thiadiazol-2-yl)amino]carbonyl]amino]-4-(1,1-dimethylethyl)-N-methyl-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 33 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 34 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

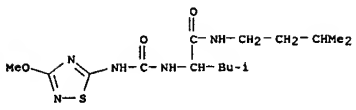
ACCESSION NUMBER: 1997:594710 CAPLUS
DOCUMENT NUMBER: 127:278195
TITLE: Preparation of 1,2,4-thiadiazolo[4,5-a]benzimidazoles and analogs as thiol scavengers
INVENTOR(S): Karimian, Khashayar; Tam, Tim F.; Desilets, Denis; Lee, Sue; Cappelletto, Tullio; Li, Wanren
PATENT ASSIGNEE(S): Apotex Inc., Can.
SOURCE: PCT Int. Appl., 132 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9731893	A1	19970904	WO 1997-CA137	19970226
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2247899	AA	19970904	CA 1997-2247899	19970226
AU 9717629	A1	19970916	AU 1997-17629	19970226
EP 883606	A1	19981216	EP 1997-903184	19970226
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LT, LV, FI, RO				
CN 1216527	A	19990512	CN 1997-193972	19970226
HU 9901789	A2	19990830	HU 1999-1789	19970226
JP 11513994	T2	19991130	JP 1997-530484	19970226
BR 9707745	A	20001024	BR 1997-7745	19970226
RU 2173319	C2	20010910	RU 1998-117846	19970226
SK 282758	B6	20021203	SK 1998-1176	19970226
NO 9803913	A	19981023	NO 1998-3913	19980826

PRIORITY APPLN. INFO.: US 1996-606705 A 19960226
US 1997-803651 A 19970221
WO 1997-CA137 W 19970226

OTHER SOURCE(S): MARPAT 127:278195
IT 196412-14-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 1,2,4-thiadiazolo[4,5-a]benzimidazoles and analogs as thiol scavengers)
RN 196412-14-3 CAPLUS
CN Pentanamide, 2-[[[(3-methoxy-1,2,4-thiadiazol-5-yl)amino]carbonyl]amino]-4-methyl-N-(3-methylbutyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 34 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 35 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:231368 CAPLUS
DOCUMENT NUMBER: 126:305783
TITLE: Preparation of endothelin antagonistic peptides
INVENTOR(S): Fujita, Kagari; Ihara, Masaki; Ikemoto, Fumihiko; Yano, Mitsuo; Nishikibe, Masaru; Ishikawa, Kiyofumi; Fukami, Takehiro; Hayama, Takeshi; Niiyama, Kenji; Nagase, Toshio; Mase, Toshiaki
PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Japan
SOURCE: U.S., 46 pp., Cont.-in-part of U.S. Ser. No. 884,642, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

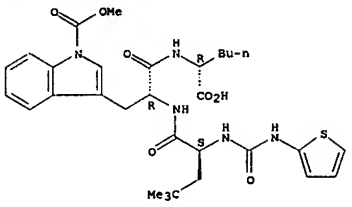
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5614498	A	19970325	US 1992-945414	19920916
KR 230630	B1	19991115	KR 1992-23363	19921204
US 5470833	A	19951128	US 1994-213829	19940314
US 5444152	A	19950822	US 1994-214679	19940321
US 5496928	A	19960305	US 1994-230534	19940420
US 5691315	A	19971125	US 1995-494818	19950626

PRIORITY APPLN. INFO.: JP 1990-149105 A 19900607
US 1991-712095 B3 19910607
JP 1991-347670 A 19911204
JP 1991-353738 A 19911218
US 1992-884642 B2 19920518
JP 1992-234207 A 19920810
US 1992-884189 B1 19920518
US 1992-945414 A2 19920916
US 1992-981424 B1 19921125
US 1994-213829 A3 19940314

OTHER SOURCE(S): MARPAT 126:305783
IT 158740-02-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of endothelin antagonistic peptides)
RN 158740-02-4 CAPLUS
CN D-Norleucine, N-[1-(methoxycarbonyl)-N-[4-methyl-N-[(2-thienylamino)carbonyl]-L-leucyl]-D-tryptophyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 35 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1996:656434 CAPLUS
DOCUMENT NUMBER: 125:300690
TITLE: Preparation of conjugates of biologically active compounds with polypyrrolecarboxamidonaphthalene derivatives with increased bioavailability.
INVENTOR(S): Mongelli, Nicola; Biasoli, Giovanni; Lombardi Borgia, Andrea; Ciomei, Marina; Pesenti, Enrico; Angelucci, Francesco
PATENT ASSIGNEE(S): Pharmacia S.P.A., Italy
SOURCE: PCT Int. Appl., 70 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9626950	A1	19960906	WO 1996-EP528	19960208
W: AM, AU, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, AZ				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2189358	AA	19960906	CA 1996-2189358	19960208
AU 9648698	A1	19960918	AU 1996-48698	19960208
AU 696470	B2	19980910		
EP 758339	A1	19970219	EP 1996-904024	19960208
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
CN 1148391	A	19970423	CN 1996-190152	19960208
HU 9603305	A2	19970828	HU 1996-3305	19960208
JP 10504319	T2	19980428	JP 1996-525980	19960208
ZA 9601636	A	19960906	ZA 1996-1636	19960229
FI 9604331	A	19961101	FI 1996-4331	19961028
NO 9604610	A	19961031	NO 1996-4610	19961031

PRIORITY APPLN. INFO.:	GB 1995-4065	A	19950301
	WO 1996-EP528	W	19960208

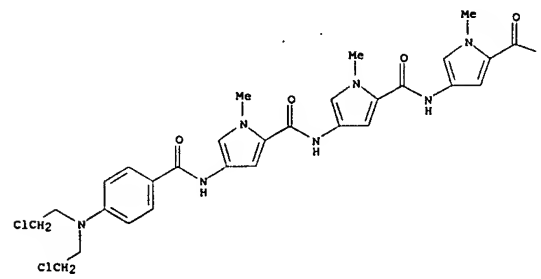
OTHER SOURCE(S): MARPAT 125:300690
IT 182691-77-6P 182692-37-1P 182692-40-6P
182692-41-7P 182692-42-8P 182692-43-9P
182692-44-0P 182692-45-1P 182692-46-2P
182692-47-3P 182692-48-4P 182692-53-1P
182692-54-2P 182807-03-0P, FCE 29378
182807-04-1P, FCE 29603 182968-62-3P, FCE 29142
182968-66-7P, FCE 29604A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of conjugates of biol. active compds. with polypyrrolecarboxamidonaphthalene derivs. with increased bioavailability)
RN 182691-77-6 CAPLUS
CN L-Leucinamide, N-[[[1-methyl-5-[[(4,6,8-trisulfo-1-

L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

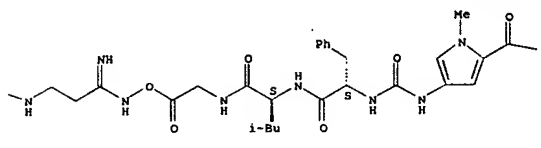
naphthalenyl)amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-N-[2-[[[3-[[[4-[[[4-[[[4-[[4-[bis(2-chloroethyl)amino]benzoyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-iminopropyl]amino]oxy]-2-oxoethyl]-, trisodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

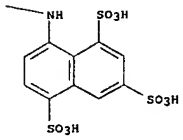


PAGE 1-B



L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-C

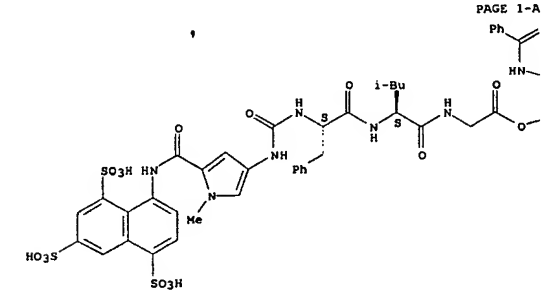


●3 Na

RN 182692-37-1 CAPLUS
CN Glycine, N-[N-[N-[[[1-methyl-5-[[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 2-(benzoylamino)-1-[[[6,12b-bis(acetyloxy)-12-(benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl]oxy]carbonyl]-2-phenylethyl ester, [2aR-[2aα,4β,4aβ,6β,9α(1R*,2S*),11α,12α,12aα,12bα]]- (9CI) (CA INDEX NAME)

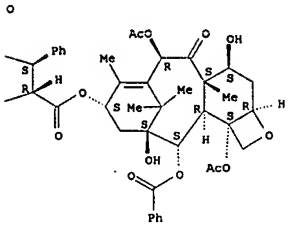
Absolute stereochemistry.

PAGE 1-A



L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

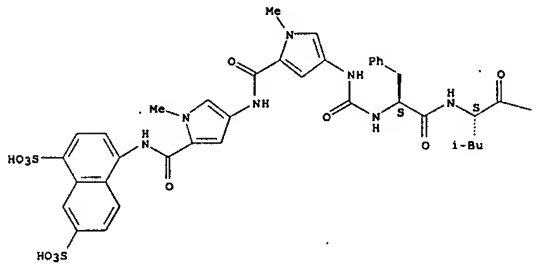
PAGE 1-B



RN 182692-40-6 CAPLUS
CN Glycine, N-[N-[N-[[[5-[[[5-[[[4,6-disulfo-1-naphthalenyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 1-(4-ethyl-3,4,12,14-tetrahydro-3,14-dioxo-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinolin-4-yl) ester, (S)- (9CI) (CA INDEX NAME)

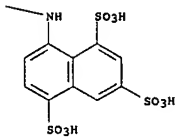
Absolute stereochemistry.

PAGE 1-A



L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

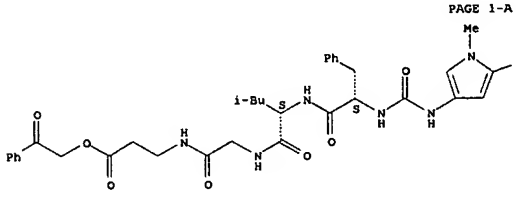
PAGE 1-B



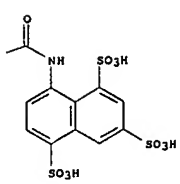
RN 182692-42-8 CAPLUS
CN β-Alanine, N-[N-[N-[[[1-methyl-5-[[[4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]glycyl]-, 1-(2-oxo-2-phenylethyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



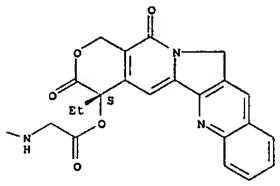
PAGE 1-B



Karen Cheng

L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

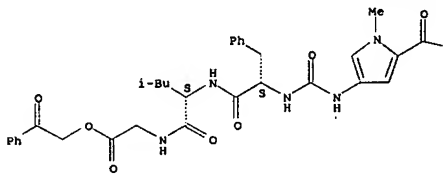
PAGE 1-B



RN 182692-41-7 CAPLUS
CN Glycine, N-[N-[N-[[[1-methyl-5-[[[4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 1-(2-oxo-2-phenylethyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

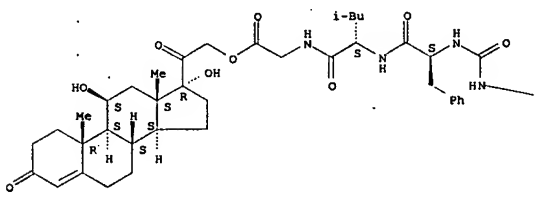


L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

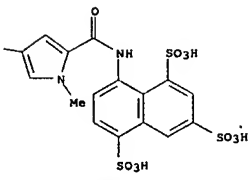
RN 182692-43-9 CAPLUS
CN Glycine, N-[N-[N-[[[1-methyl-5-[[[4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, (11β)-11,17-dihydroxy-3,20-dioxopregn-4-en-21-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



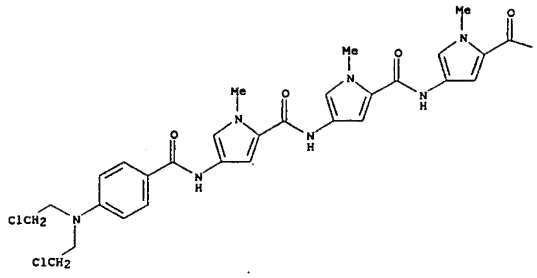
L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 182692-44-0 CAPLUS
CN L-Leucinamide, N-[[[1-methyl-5-[[[4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl-N-[2-[[[3-[[[4-[[[4-[[[4-[bis(2-chloroethyl)amino]benzoyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-iminopropyl]amino]oxy]-2-oxoethyl]- (9CI) (CA INDEX NAME)

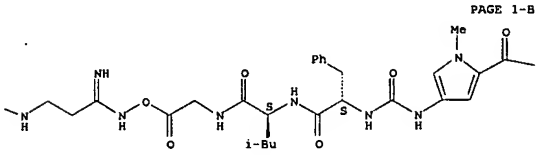
Absolute stereochemistry.

L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-A

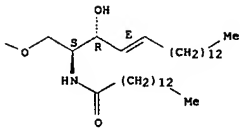


PAGE 1-B



L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

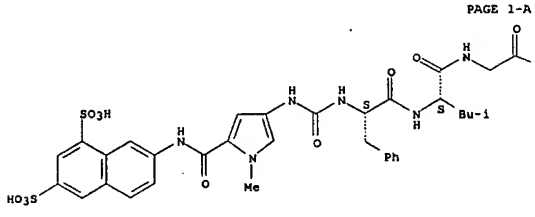
PAGE 1-B



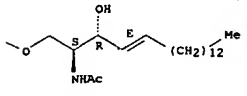
RN 182692-46-2 CAPLUS
CN Glycine, N-[N-[N-[[[5-[[(6,8-disulfo-2-naphthalenyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 1-[2-(acetylamino)-3-hydroxy-4-octadecenyl) ester, [R-[R*,S*-(E)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



PAGE 1-B

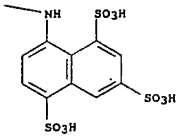


RN 182692-47-3 CAPLUS
CN Glycine, N-[N-[N-[[[5-[[(6,8-disulfo-2-naphthalenyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 1-[3-hydroxy-2-[(1-oxohexyl)amino]-4-octadecenyl] ester, [R-[R*,S*-(E)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

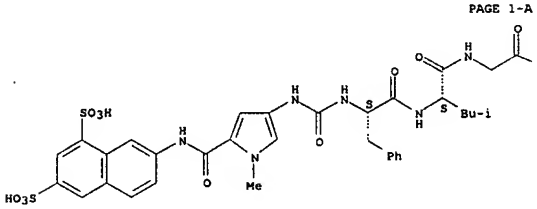
PAGE 1-C



RN 182692-45-1 CAPLUS
CN Glycine, N-[N-[N-[[[5-[[(6,8-disulfo-2-naphthalenyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 1-[3-hydroxy-2-[(1-oxotetradecyl)amino]-4-octadecenyl] ester, [R-[R*,S*-(E)]]- (9CI) (CA INDEX NAME)

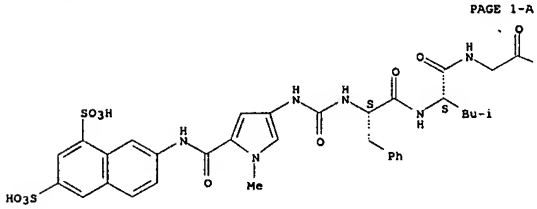
Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A

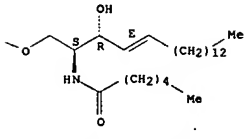


L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-A



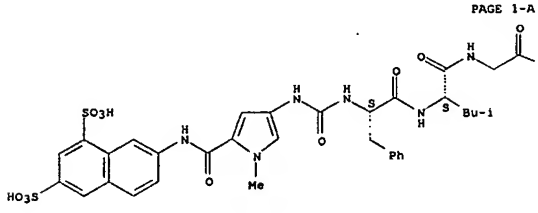
PAGE 1-B



RN 182692-48-4 CAPLUS
CN Glycine, N-[N-[N-[[[5-[[(6,8-disulfo-2-naphthalenyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 1-[3-hydroxy-2-[(1-oxooctadecyl)amino]-4-octadecenyl] ester, [R-[R*,S*-(E)]]- (9CI) (CA INDEX NAME)

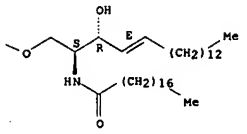
Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

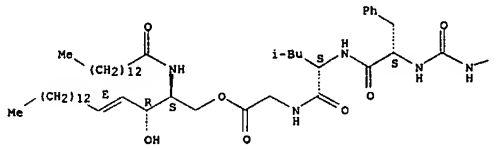
PAGE 1-B



RN 182692-53-1 CAPLUS
CN Glycine, N-[N-[N-[[[1-methyl-5-[[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 1-[3-hydroxy-2-[(1-oxotetradecyl)amino]-4-octadecenyl] ester, [R-[R*,S*-(E)]]- (9CI) (CA INDEX NAME)

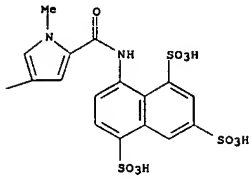
Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

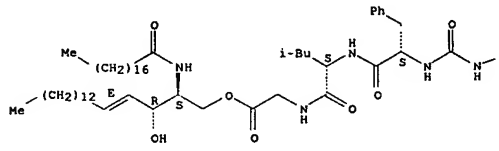
PAGE 1-B



RN 182692-54-2 CAPLUS
CN Glycine, N-[N-[N-[[[1-methyl-5-[[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 1-[3-hydroxy-2-[(1-oxooctadecyl)amino]-4-octadecenyl] ester, [R-[R*,S*-(E)]]- (9CI) (CA INDEX NAME)

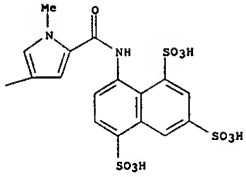
Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

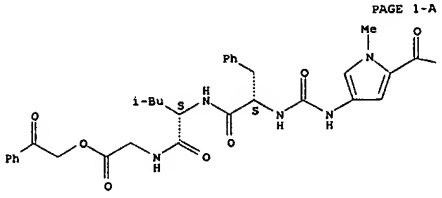
PAGE 1-B



RN 182807-03-0 CAPLUS
CN Glycine, N-[N-[N-[[[1-methyl-5-[[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 1-(2-oxo-2-phenylethyl) ester, trisodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

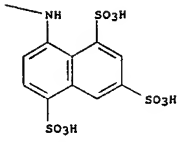
PAGE 1-A



●3 Na

L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

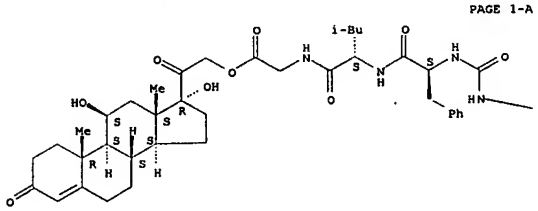
PAGE 1-B



RN 182807-04-1 CAPLUS
CN Glycine, N-[N-[N-[[[1-methyl-5-[[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, (11β)-11,17-dihydroxy-3,20-dioxopregn-4-en-21-yl ester, trisodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

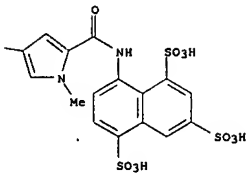
PAGE 1-A



●3 Na

L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-B

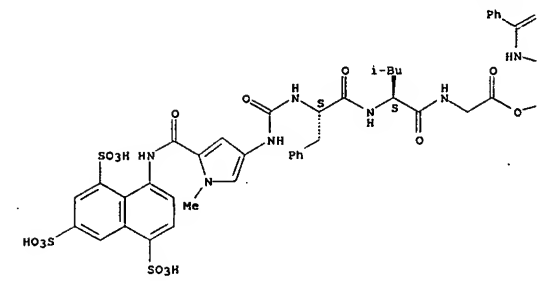


RN 182968-62-3 CAPLUS
CN Glycine, N-[N-[N-[[[1-methyl-5-[[(4,6,8-trisulfo-1-naphthalenyl)amino]carbonyl]-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 1-[2-(benzoylamino)-1-[[[6,12b-bis(acetyloxy)-12-(benzoyloxy)-2a,4a,5,6,9,10,11,12,12a,12b-decahydro-11-hydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl]oxy]carbonyl]-2-phenylethyl] ester, trisodium salt, [2aR-[2aα,4β,4aβ,6β,9α[R*(S*)],11α,12.alpha.,12aα,12bα]]- (9CI) (CA INDEX NAME)

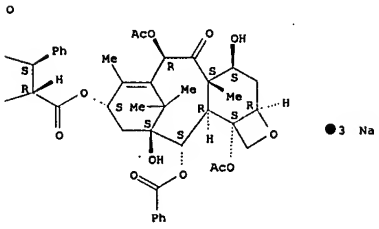
Absolute stereochemistry.

L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-A



PAGE 1-B



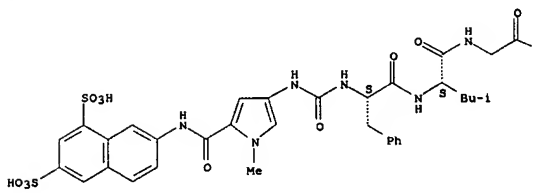
●3 Na

RN 182968-66-7 CAPLUS
CN Glycine, N-[N-[N-[[[5-[[(6,8-disulfo-2-naphthalenyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-L-phenylalanyl]-L-leucyl]-, 1-[3-hydroxy-2-[(1-oxotetradecyl)amino]-4-octadecenyl] ester, dipotassium salt, [R-(R*,S*-(E))]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

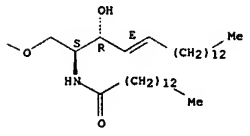
L4 ANSWER 36 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-A



●2 K

PAGE 1-B



L4 ANSWER 37 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

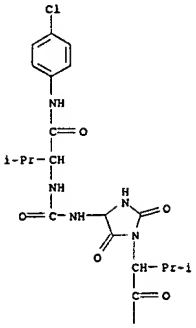
ACCESSION NUMBER: 1996:106687 CAPLUS
DOCUMENT NUMBER: 124:168256
TITLE: Preparation of fungicidal α-(dioxoimidazolidine)acetanilide compounds.
INVENTOR(S): Patel, Bomi P.; Lavanish, Jerome M.
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5484802	A	19960116	US 1995-412671	19950329
EP 735028	A1	19961002	EP 1996-302046	19960325
R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CA 2172796	AA	19960930	CA 1996-2172796	19960327
PRIORITY APPLN. INFO.:			US 1995-412671 A	19950329

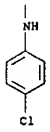
OTHER SOURCE(S): MARPAT 124:168256
IT 173736-35-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate in preparation of fungicidal α-(dioxoimidazolidine)acetanilide compds.)
RN 173736-35-1 CAPLUS
CN 1-Imidazolidineacetamide, N-(4-chlorophenyl)-4-[[[[1-[[(4-chlorophenyl)amino]carbonyl]-2-methylpropyl]amino]carbonyl]amino]-α-(1-methylethyl)-2,5-dioxo- (9CI) (CA INDEX NAME)

L4 ANSWER 37 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A

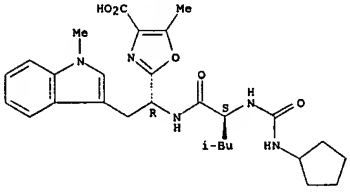


L4 ANSWER 38 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 168469-88-3 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[1-[[2-[[(cyclopentylamino)carbonyl]amino]-4-methyl-1-oxopentyl]amino]-2-(1-methyl-1H-indol-3-yl)ethyl]-5-methyl-, [S-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 38 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1996:73848 CAPLUS

DOCUMENT NUMBER: 124:193276

TITLE: Azole Endothelin Antagonists. 2. Structure-Activity Studies

AUTHOR(S): von Geldern, Thomas W.; Kester, Jeffrey A.; Bal, Radhika; Wu-Wong, Jinshyun R.; Chiou, William; Dixon, Douglas B.; Opgenorth, Terry J.

CORPORATE SOURCE: Pharmaceutical Products Research, Abbott Laboratories, Abbott Park, IL, 60064, USA

SOURCE: Journal of Medicinal Chemistry (1996), 39(4), 968-81 CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 124:193276

IT 168468-70-0P

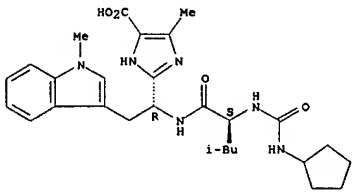
RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process)

(preparation of azole peptide endothelin antagonists in relation to structure)

RN 168468-70-0 CAPLUS

CN 1H-Imidazole-4-carboxylic acid, 2-[1-[[2-[[(cyclopentylamino)carbonyl]amino]-4-methyl-1-oxopentyl]amino]-2-(1-methyl-1H-indol-3-yl)ethyl]-5-methyl-, [S-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 168469-88-3P

RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process)

(preparation of azole peptide endothelin antagonists in relation to structure)

L4 ANSWER 39 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:994448 CAPLUS

DOCUMENT NUMBER: 124:56739

TITLE: Preparation of azapeptides as neurokinin A antagonists.

INVENTOR(S): Nakashima, Yoshiharu; Hizuka, Michiyo; Higashide, Yasushi; Yamaura, Tetsuaki; Ikawa, Hiroshi

PATENT ASSIGNEE(S): Fujirebio Inc., Japan

SOURCE: Eur. Pat. Appl., 45 pp. CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 672678	A1	19950920	EP 1995-103948	19950317
EP 672678	B1	20001025		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 08003189	A2	19960109	JP 1995-58449	19950317
JP 3409494	B2	20030526		
US 5837687	A	19981117	US 1995-406053	19950317
AT 197157	E	20001115	AT 1995-103948	19950317
US 5965538	A	19991012	US 1998-138656	19980824

PRIORITY APPLN. INFO.: JP 1994-47206 A 19940317

JP 1994-80547 A 19940419

US 1995-406053 A3 19950317

OTHER SOURCE(S): MARPAT 124:56739

IT 172081-10-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

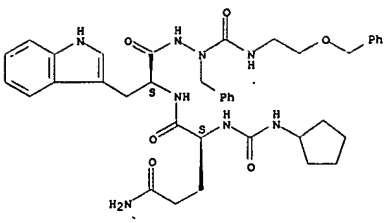
(preparation of azapeptides as neurokinin A antagonists)

RN 172081-10-6 CAPLUS

CN L-Tryptophan, N-[N2-[(cyclopentylamino)carbonyl]-L-glutaminyl]-, 2-[[[2-(phenylmethoxy)ethyl]amino]carbonyl]-2-(phenylmethyl)hydrazide (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

L4 ANSWER 39 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 40 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:828329 CAPLUS
DOCUMENT NUMBER: 123:257412
TITLE: Preparation of [(aminocarbonylleucylamino)indolylethyl]azolecarboxylates and related compounds as endothelin antagonists.
INVENTOR(S): Vongeldern, Thomas W.; Kester, Jeffrey A.; Rosenberg, Saul H.; Winn, Martin; Hutchins, Charles W.
PATENT ASSIGNEE(S): Abbott Laboratories, USA
SOURCE: PCT Int. Appl., 193 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9508550	A1	19950330	WO 1994-US10049	19940907
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRIORITY APPLN. INFO.:			US 1993-126822	A 19930924
			US 1994-295441	A 19940829

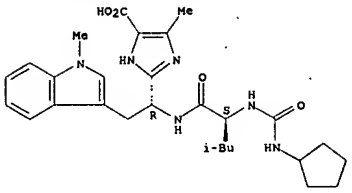
OTHER SOURCE(S): MARPAT 123:257412
IT 168468-71-1P 168469-89-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of [(aminocarbonylleucylamino)indolylethyl]azolecarboxylates and related compds. as endothelin antagonists)
RN 168468-71-1 CAPLUS
CN 1H-Imidazole-4-carboxylic acid, 2-[1-[[2-[[(cyclopentylamino)carbonyl]amino]-4-methyl-1-oxopentyl]amino]-2-(1-methyl-1H-indol-3-yl)ethyl]-5-methyl-, [S-(R*,S*)]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 168468-70-0
CMF C28 H38 N6 O4

Absolute stereochemistry.

L4 ANSWER 40 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

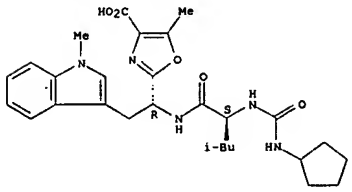
CRN 76-05-1
CMF C2 H F3 O2

RN 168469-89-4 CAPLUS
CN 4-Oxazolecarboxylic acid, 2-[1-[[2-[[(cyclopentylamino)carbonyl]amino]-4-methyl-1-oxopentyl]amino]-2-(1-methyl-1H-indol-3-yl)ethyl]-5-methyl-, [S-(R*,S*)]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 168469-88-3
CMF C28 H37 N5 O5

Absolute stereochemistry.



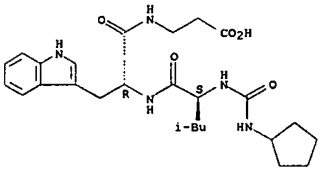
CM 2

L4 ANSWER 40 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 76-05-1
CMF C2 H F3 O2

L4 ANSWER 41 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:673214 CAPLUS
DOCUMENT NUMBER: 123:132001
TITLE: Endothelin receptor antagonists with various subtype-specificity: their discovery and use as pharmacological tools
AUTHOR(S): Ishikawa, Kiyofumi; Fukami, Takehiro; Mase, Toshiaki; Nagase, Toshio; hayama, Takashi; Niiyama, Kenji; Ihara, Masaki; Saeki, Toshihiko; Satoshi, Ozaki; et al.
CORPORATE SOURCE: Tsukuba Research Institute, Banyu Pharmaceutical Company, Ltd., Tsukuba, 300-33, Japan
SOURCE: European Journal of Medicinal Chemistry (1995), 30(Suppl., Proceedings of the 13th International Symposium on Medicinal Chemistry, 1994), 371s-83s
CODEN: EJMCA5; ISSN: 0223-5234
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 141594-94-7
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(structure activity relations of endothelin receptor antagonists with various subtype-specificity)
RN 141594-94-7 CAPLUS
CN β-Alanine, N-[N-[N-[(cyclopentylamino)carbonyl]-L-leucyl]-D-tryptophyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

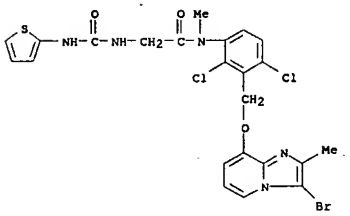


L4 ANSWER 42 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:330513 CAPLUS
DOCUMENT NUMBER: 122:105879
TITLE: Preparation of imidazo[1,2-a]pyridines as bradykinin antagonists.
INVENTOR(S): Oku, Teruo; Kayakiri, Hiroshi; Satoh, Shigeki; Abe, Yoshito; Yuki, Sawada; Tanaka, Hirokazu
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 117 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

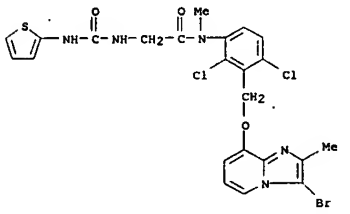
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 596406	A1	19940511	EP 1993-117474	19931028
EP 596406	B1	19981216		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
AU 9350242	A1	19940512	AU 1993-50242	19931026
AU 686115	B2	19980205		
ZA 9308011	A	19940609	ZA 1993-8011	19931027
IL 107426	A1	19970713	IL 1993-107426	19931027
AT 174596	E	19990115	AT 1993-117474	19931028
ES 2125294	T3	19990301	ES 1993-117474	19931028
CA 2102137	AA	19940503	CA 1993-2102137	19931101
CN 1089947	A	19940727	CN 1993-119684	19931101
HU 66302	A2	19941128	HU 1993-3119	19931102
JP 07300478	A2	19951114	JP 1993-274643	19931102
JP 2763036	B2	19980611		
US 5574042	A	19961112	US 1995-441786	19950516
US 5750699	A	19980512	US 1996-662198	19960612
PRIORITY APPLN. INFO.:			GB 1992-22947 A	19921102
			GB 1993-4249 A	19930303
			US 1993-142967 B2	19931029
			US 1994-235632 B1	19940429
			US 1995-441786 A3	19950516

OTHER SOURCE(S): MARPAT 122:105879
IT 160643-98-1P 160644-59-7P 160645-14-7P
160645-89-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as bradykinin antagonist)
RN 160643-98-1 CAPLUS
CN Acetamide,
N-[3-[[(3-bromo-2-methylimidazo[1,2-a]pyridin-8-yl)oxy]methyl]-2,4-dichlorophenyl]-N-methyl-2-[[(2-thienylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 42 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



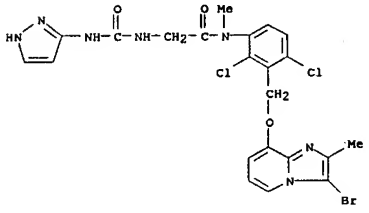
RN 160644-59-7 CAPLUS
CN Acetamide,
N-[3-[[(3-bromo-2-methylimidazo[1,2-a]pyridin-8-yl)oxy]methyl]-2,4-dichlorophenyl]-N-methyl-2-[[(2-thienylamino)carbonyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



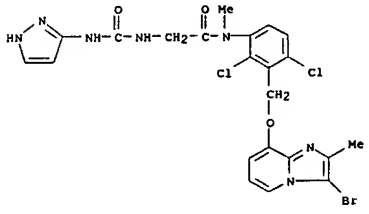
● HCl

RN 160645-14-7 CAPLUS
CN Acetamide,
N-[3-[[(3-bromo-2-methylimidazo[1,2-a]pyridin-8-yl)oxy]methyl]-2,4-dichlorophenyl]-N-methyl-2-[[(1H-pyrazol-3-ylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 42 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 160645-89-6 CAPLUS
CN Acetamide,
N-[3-[[(3-bromo-2-methylimidazo[1,2-a]pyridin-8-yl)oxy]methyl]-2,4-dichlorophenyl]-N-methyl-2-[[(1H-pyrazol-3-ylamino)carbonyl]amino]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

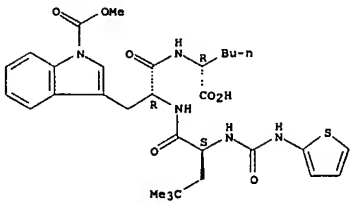
L4 ANSWER 43 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1994:681232 CAPLUS
DOCUMENT NUMBER: 121:281232
TITLE: Preparation of peptide endothelin antagonists
INVENTOR(S): Ishikawa, Kiyofumi; Fukami, Takehiro; Nagase, Toshio; Mase, Toshiaki; Ihara, Masaki; Yano, Mitsuo; Nishikibe, Masaru
PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Japan
SOURCE: Can. Pat. Appl., 182 pp.
CODEN: CPXXEB
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 2084163	AA	19930605	CA 1992-2084163	19921130
CA 2084163	C	20040629		
EP 555537	A2	19930818	EP 1992-120225	19921126
EP 555537	A3	19941102		
EP 555537	B1	20001102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
AT 197305	E	20001115	AT 1992-120225	19921126
AU 9229838	A1	19930610	AU 1992-29838	19921202
AU 657585	B2	19950316		
JP 06107680	A2	19940419	JP 1992-349905	19921202
JP 3398992	B2	20030421		
KR 230630	B1	19991115	KR 1992-23363	19921204
PRIORITY APPLN. INFO.:			JP 1991-347670 A	19911204
			JP 1991-353738 A	19911218
			JP 1992-234207 A	19920810

OTHER SOURCE(S): MARPAT 121:281232
IT 158740-02-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of, as endothelin antagonist)
RN 158740-02-4 CAPLUS
CN D-Norleucine, N-[1-(methoxycarbonyl)-N-[4-methyl-N-[(2-thienylamino)carbonyl]-L-leucyl]-D-tryptophyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 43 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



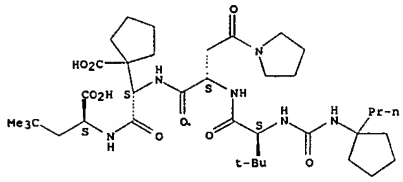
L4 ANSWER 44 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1994:271187 CAPLUS
DOCUMENT NUMBER: 120:271187
TITLE: Preparation of antiherpes peptide derivatives having a ureido N-terminus
INVENTOR(S): Deziel, Robert; Moss, Neil; Plante, Raymond
PATENT ASSIGNEE(S): Bio-Mega/Boehringer Ingelheim Research Inc., Can.
SOURCE: Eur. Pat. Appl., 27 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 560274	A1	19930915	EP 1993-103734	19930309
EP 560274	B1	19980624		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
AT 167682	E	19980715	AT 1993-103734	19930309
ZA 9301746	A	19931006	ZA 1993-1746	19930311
HU 63853	A2	19931028	HU 1993-697	19930311
JP 06041189	A2	19940215	JP 1993-49767	19930311
CA 2092652	AA	19930913	CA 1993-2092652	19930312
CA 2092652	C	20010724		
AU 9335162	A1	19930916	AU 1993-35162	19930312
AU 665059	B2	19951214		
CN 1096299	A	19941214	CN 1993-106796	19930608
US 5830864	A	19981103	US 1995-502981	19950717
PRIORITY APPLN. INFO.:			US 1992-849922 A	19920312
			US 1993-25682 B1	19930303

OTHER SOURCE(S): MARPAT 120:271187
IT 154092-75-8P 154093-00-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as virucide for treating herpes infections)
RN 154092-75-8 CAPLUS
CN L-Leucine, 3-methyl-N-[[(1-propylcyclopentyl)amino]carbonyl]-L-valyl-4-oxo-4-(1-pyrrolidinyl)-L-2-aminobutanoyl-2-(1-carboxycyclopentyl)glycyl-4-methyl- (9CI) (CA INDEX NAME)

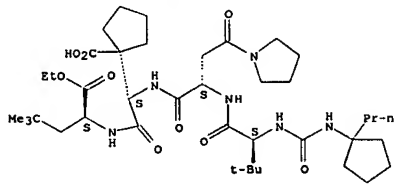
Absolute stereochemistry.

L4 ANSWER 44 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 154093-00-2 CAPLUS
CN L-Leucine, 3-methyl-N-[[(1-propylcyclopentyl)amino]carbonyl]-L-valyl-4-oxo-4-(1-pyrrolidinyl)-L-2-aminobutanoyl-L-2-(1-carboxycyclopentyl)glycyl-4-methyl-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



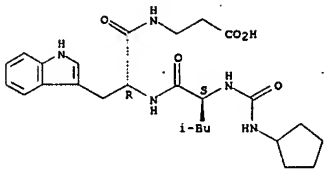
L4 ANSWER 45 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1992:256053 CAPLUS
DOCUMENT NUMBER: 116:256053
TITLE: Preparation of endothelin antagonistic peptide derivatives
INVENTOR(S): Ishikawa, Kiyofumi; Fukami, Takehiro; Hayama, Takashi; Niiyama, Kenji; Nagase, Toshio; Mase, Toshiaki; Fujita, Kagari; Ihara, Masaki; Ikemoto, Fumihiko; Yano, Mitsuo
PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 121 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 460679	A2	19911211	EP 1991-109313	19910606
EP 460679	A3	19921119		
EP 460679	B1	19981028		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CA 2043741	AA	19911208	CA 1991-2043741	19910603
CA 2043741	C	20030401		
JP 05178891	A2	19930720	JP 1991-160023	19910603
JP 3127488	B2	20010122		
AU 9178182	A1	19911212	AU 1991-78182	19910605
AU 632695	B2	19930107		
AT 172741	E	19981115	AT 1991-109313	19910606
US 5470833	A	19951128	US 1994-213829	19940314
US 5691315	A	19971125	US 1995-494818	19950626
PRIORITY APPLN. INFO.:			JP 1990-149105 A	19900607
			US 1991-712095 B3	19910607
			US 1992-884189 B1	19920518
			US 1994-213829 A3	19940314

OTHER SOURCE(S): MARPAT 116:256053
IT 141594-94-7P 141595-23-5P 141595-42-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of, as endothelin antagonist)
RN 141594-94-7 CAPLUS
CN β-Alanine, N-[N-[N-[(cyclopentylamino)carbonyl]-L-leucyl]-D-tryptophyl]- (9CI) (CA INDEX NAME)

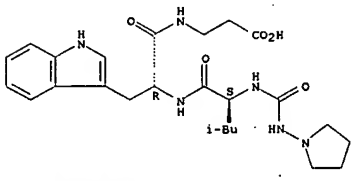
Absolute stereochemistry.

L4 ANSWER 45 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



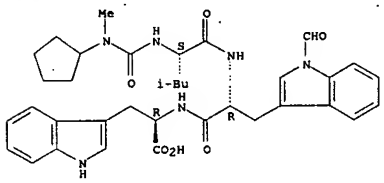
RN 141595-23-5 CAPLUS
CN β-Alanine, N-[N-[N-[(1-pyrrolidinylamino)carbonyl]-L-leucyl]-D-tryptophyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 141595-42-8 CAPLUS
CN D-Tryptophan, N-[N-[N-[(cyclopentylmethylamino)carbonyl]-L-leucyl]-1-formyl-D-tryptophyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



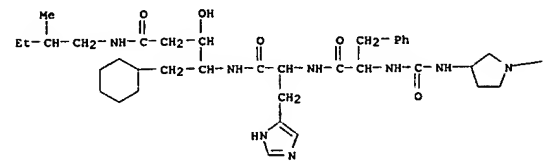
L4 ANSWER 45 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L4 ANSWER 46 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1989:633678 CAPLUS
DOCUMENT NUMBER: 111:233678
TITLE: Preparation and testing of tripeptide renin inhibitors with N-terminal ureido or sulfamido groups
INVENTOR(S): Greenlee, William J.; Parsons, William H.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: Eur. Pat. Appl., 41 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 314239	A2	19890503	EP 1988-202334	19881019
EP 314239	A3	19901227		
R: CH, DE, FR, GB, IT, LI, NL				
JP 01149798	A2	19890612	JP 1988-272852	19881028
PRIORITY APPLN. INFO.:			US 1987-113681 A	19871028

OTHER SOURCE(S): MARPAT 111:233678
IT 123600-04-4P 123600-05-5P 123600-06-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as renin-inhibitory antihypertensive)
RN 123600-04-4 CAPLUS
CN L-threo-Pentonamide, 5-cyclohexyl-2,4,5-trideoxy-N-(2-methylbutyl)-4-[[N-[N-[[[1-(2-methylpropyl)-3-pyrrolidinyl]amino]carbonyl]-L-phenylalanyl]-L-histidyl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A



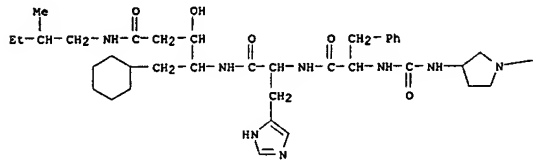
PAGE 1-B

—Bu-i

RN 123600-05-5 CAPLUS
CN L-threo-Pentonamide, 5-cyclohexyl-2,4,5-trideoxy-4-[[N-[N-[[[1-(2-

L4 ANSWER 46 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
hydroxyethyl)-3-pyrrolidinyl]amino]carbonyl]-L-phenylalanyl]-L-histidyl]amino]-N-(2-methylbutyl)- (9CI) (CA INDEX NAME)

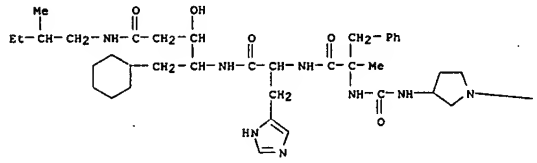
PAGE 1-A



PAGE 1-B

RN 123600-06-6 CAPLUS
CN L-threo-Pentonamide, 4-[[N-[N-[[[1-(carboxymethyl)-3-pyrrolidinyl]amino]carbonyl]-2-methylphenylalanyl]-L-histidyl]amino]-5-cyclohexyl-2,4,5-trideoxy-N-(2-methylbutyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

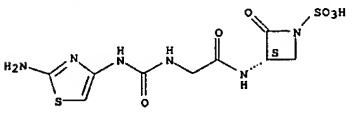


L4 ANSWER 46 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

PAGE 1-B

L4 ANSWER 47 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1983:594682 CAPLUS
DOCUMENT NUMBER: 99:194682
TITLE: Synthesis and antibacterial activity of 3-acylamino-2-azetidinone-1-sulfonic acid derivatives
AUTHOR(S): Matsuo, Taisuke; Sugawara, Tohru; Masuya, Hirotomo; Kawano, Yasuhiko; Noguchi, Noriyoshi; Ochiai, Michihiko
CORPORATE SOURCE: Cent. Res. Div., Takeda Chem. Ind., Ltd., Osaka, 532, Japan
SOURCE: Chemical & Pharmaceutical Bulletin (1983), 31(6), 1874-84
CODEN: CPBTAL; ISSN: 0009-2363
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 99:194682
IT 87599-85-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and bactericidal activity of)
RN 87599-85-7 CAPLUS
CN 1-Azetidinesulfonic acid, 3-[[[[[(2-amino-4-thiazolyl)amino]carbonyl]amino]acetyl]amino]-2-oxo-, monosodium salt, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

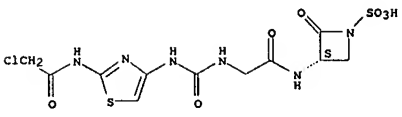


● Na

IT 87599-84-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of, with methyldithiocarbamate)
RN 87599-84-6 CAPLUS
CN 1-Azetidinesulfonic acid, 3-[[[[[[2-[(chloroacetyl)amino]-4-thiazolyl]amino]carbonyl]amino]acetyl]amino]-2-oxo-, monosodium salt, (S)-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

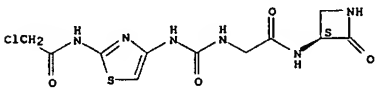
L4 ANSWER 47 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

IT 87599-83-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and sulfonylation of)
RN 87599-83-5 CAPLUS
CN Acetamide, 2-[[[[2-[(chloroacetyl)amino]-4-thiazolyl]amino]carbonyl]amino]-N-(2-oxo-3-azetidinyl)-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 48 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1982:527394 CAPLUS
DOCUMENT NUMBER: 97:127394
TITLE: Cephalosporin compounds
INVENTOR(S): Lunn, William H. W.
PATENT ASSIGNEE(S): Eli Lilly and Co., USA
SOURCE: U.S., 16 pp. Cont.-in-part of U.S. Ser. No. 651,083, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

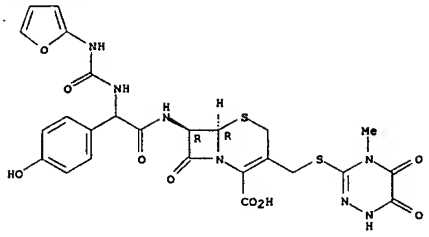
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4329454	A	19820511	US 1977-814830	19770712
RO 67533	P	19840315	RO 1975-82974	19750725
BE 831787	A1	19760128	BE 1975-1006803	19750728
ZA 7504959	A	19770330	ZA 1975-4959	19750731
ES 439989	A1	19770516	ES 1975-439989	19750802
JP 51146493	A2	19761216	JP 1976-1447	19760101

PRIORITY APPLN. INFO.: US 1974-494148 A2 19740802
US 1975-583924 A2 19750610
US 1976-651083 A2 19760121

OTHER SOURCE(S): CASREACT 97:127394; MARPAT 97:127394
IT 83031-48-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and bactericidal activity of)
RN 83031-48-5 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[[[(2-furanylamino)carbonyl]amino](4-hydroxyphenyl)acetyl]amino]-8-oxo-3-[[(1,4,5,6-tetrahydro-4-methyl-5,6-dioxo-1,2,4-triazin-3-yl)thio]methyl]-, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

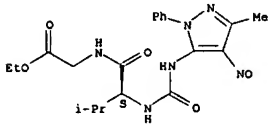
Absolute stereochemistry.

L4 ANSWER 48 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



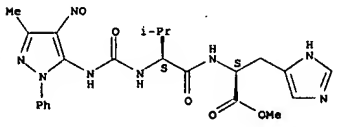
L4 ANSWER 49 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1982:142748 CAPLUS
DOCUMENT NUMBER: 96:142748
TITLE: 4-Nitroso-5-aminopyrazole derivatives as antifungal compounds
AUTHOR(S): Giori, P.; Mazzotta, D.; Vertuani, G.; Guarneri, M.; Pancaldi, D.; Brunelli, A.
CORPORATE SOURCE: Ist. Chim. Farm. Tossicol., Univ. Studi, Ferrara, Italy
SOURCE: Farmaco, Edizione Scientifica (1981), 36(12), 1019-28
CODEN: FRPSAX; ISSN: 0430-0920
DOCUMENT TYPE: Journal
LANGUAGE: Italian
IT 81198-51-8P 81198-52-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 81198-51-8 CAPLUS
CN Glycine, N-[N-[[(3-methyl-4-nitroso-1-phenyl-1H-pyrazol-5-yl)amino]carbonyl]-L-valyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 81198-52-9 CAPLUS
CN L-Histidine, N-[N-[[(3-methyl-4-nitroso-1-phenyl-1H-pyrazol-5-yl)amino]carbonyl]-L-valyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



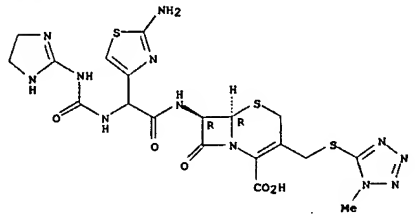
L4 ANSWER 50 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1981:425095 CAPLUS
DOCUMENT NUMBER: 95:25095
TITLE: Cephalosporin derivatives for inhibiting bacteria strains
PATENT ASSIGNEE(S): Daiichi Seiyaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 55160783	A2	19801213	JP 1979-68570	19790601
JP 01021153	B4	19890419		

PRIORITY APPLN. INFO.: JP 1979-68570 A 19790601

IT 77523-70-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and bactericidal activity of)
RN 77523-70-7 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[(2-amino-4-thiazolyl)[[[(4,5-dihydro-1H-imidazol-2-yl)amino]carbonyl]amino]acetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

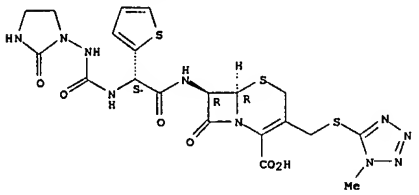


L4 ANSWER 51 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1979:38944 CAPLUS
DOCUMENT NUMBER: 90:38944
TITLE: [[[Imidazolidinyl amino]carbonyl]amino]acetyl cephalosporin derivatives
INVENTOR(S): Breuer, Hermann; Treuner, Uwe D.
PATENT ASSIGNEE(S): E. R. Squibb and Sons, Inc., USA
SOURCE: U.S., 18 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4099001	A	19780704	US 1977-777873	19770315
PRIORITY APPLN. INFO.:			US 1977-777873 A	19770315

OTHER SOURCE(S): MARPAT 90:38944
IT 68637-37-6P 68637-38-7P 68637-41-2P
68693-04-9P 68845-56-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 68637-37-6 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-7-[[[[[(2-oxo-1-imidazolidinyl)amino]carbonyl]amino]-2-thienylacetyl]amino]-, [6R-[6α,7β(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

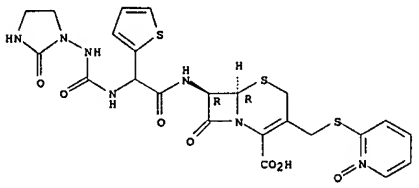


RN 68637-38-7 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-7-[[[[[(2-oxo-1-imidazolidinyl)amino]carbonyl]amino]-2-thienylacetyl]amino]-, monosodium salt, [6R-[6α,7β(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

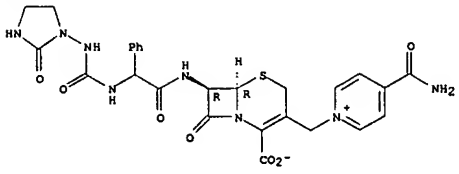
L4 ANSWER 51 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
3-[[(1-oxido-2-pyridinyl)thio]methyl]-8-oxo-7-[[[[[(2-oxo-1-imidazolidinyl)amino]carbonyl]amino]-2-thienylacetyl]amino]-, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 68845-56-7 CAPLUS
CN Pyridinium, 4-(aminocarbonyl)-1-[[2-carboxy-8-oxo-7-[[[[[(2-oxo-1-imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino]-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, inner salt, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

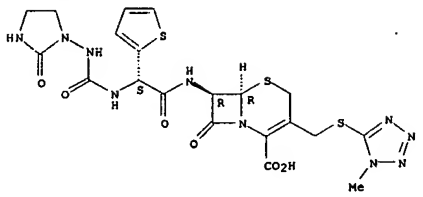


IT 68637-40-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(substitution reaction with 2-mercaptopyridine derivative)
RN 68637-40-1 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

3-[(acetyloxy)methyl]-8-oxo-7-[[[[[(2-oxo-1-imidazolidinyl)amino]carbonyl]amino]-2-thienylacetyl]amino]-, monosodium salt, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

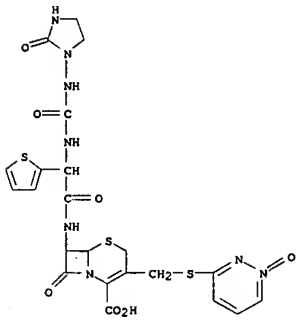
Absolute stereochemistry.

L4 ANSWER 51 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



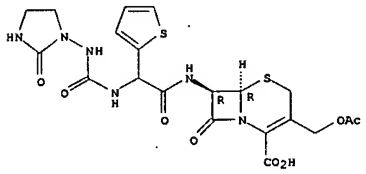
● Na

RN 68637-41-2 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 3-[[(1-oxido-3-pyridazinyl)thio]methyl]-8-oxo-7-[[[[[(2-oxo-1-imidazolidinyl)amino]carbonyl]amino]-2-thienylacetyl]amino]-, [6R-[6α,7β(S*)]]- (9CI) (CA INDEX NAME)



RN 68693-04-9 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

L4 ANSWER 51 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

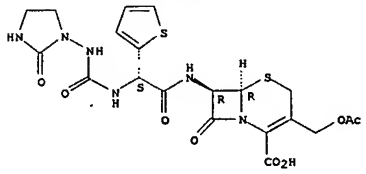


● Na

IT 68682-12-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(substitution reaction with 3-mercaptopyridazine derivative)
RN 68682-12-2 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

3-[(acetyloxy)methyl]-8-oxo-7-[[[[[(2-oxo-1-imidazolidinyl)amino]carbonyl]amino]-2-thienylacetyl]amino]-, monosodium salt, [6R-[6α,7β(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

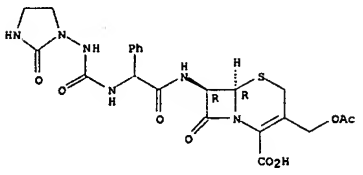


● Na

IT 68845-55-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(substitution reaction with 4-pyridinecarboxamide)
RN 68845-55-6 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

3-[(acetyloxy)methyl]-8-oxo-7-[[[[[(2-oxo-1-imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino]-, monosodium salt, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

L4 ANSWER 51 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry.



● Na

L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

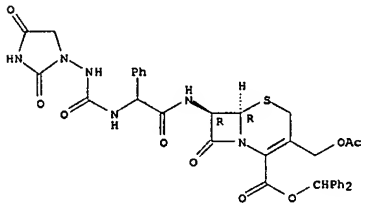
ACCESSION NUMBER: 1978:22963 CAPLUS
DOCUMENT NUMBER: 88:22963
TITLE: 7α-Ureidoacylamido-7α-methoxy- and -demethoxycephalosporanic acid derivatives
INVENTOR(S): Breuer, Hermann; Treuner, Uwe
PATENT ASSIGNEE(S): Chemische Fabrik von Heyden G.m.b.H., Fed. Rep. Ger.
SOURCE: Ger. Offen., 66 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2714214	A1	19771013	DE 1977-2714214	19770330
US 4063019	A	19771213	US 1976-671788	19760330
FR 2346356	A1	19771028	FR 1977-9302	19770329
JP 52118493	A2	19771004	JP 1977-36906	19770330
US 4093801	A	19780606	US 1977-819648	19770727
PRIORITY APPLN. INFO.:			US 1976-671788	A 19760330

OTHER SOURCE(S): MARPAT 88:22963
IT 65031-02-9P 65031-07-4P 65058-93-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrolysis of)
RN 65031-02-9 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

3-[(acetyloxy)methyl]-7-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino]-8-oxo-, diphenylmethyl ester, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

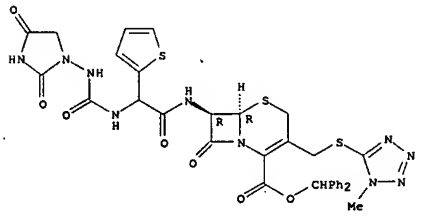
Absolute stereochemistry.



RN 65031-07-4 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

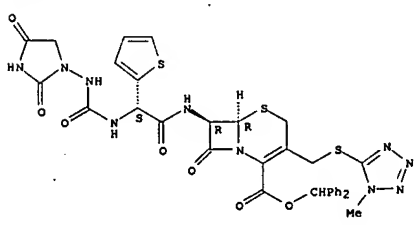
L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
7-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]-2-thienylacetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, diphenylmethyl ester, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 65058-93-7 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]-2-thienylacetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, diphenylmethyl ester, [6R-[6α,7β(S*)]]- (9CI) (CA INDEX NAME)

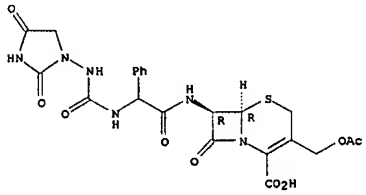
Absolute stereochemistry.



IT 65031-04-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, with isonicotinamide)
RN 65031-04-1 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

3-[(acetyloxy)methyl]-7-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino]-8-oxo-, monosodium salt, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry.

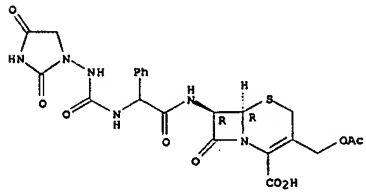


● Na

IT 65031-03-0P 65031-05-2P 65031-06-3P
65031-08-5P 65058-94-8P 65058-95-9P
65058-96-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 65031-03-0 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

3-[(acetyloxy)methyl]-7-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino]-8-oxo-, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

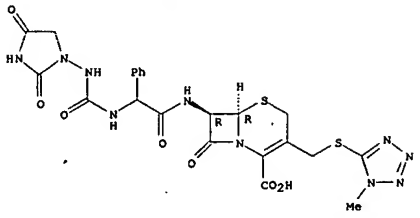
Absolute stereochemistry.



RN 65031-05-2 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,

7-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-, monosodium salt, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

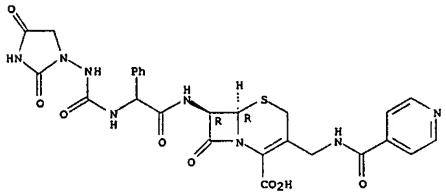
L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry.



● Na

RN 65031-06-3 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino
)-8-oxo-3-[[(4-pyridinylcarbonyl)amino]methyl]-, [6R-(6α,7β)]-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

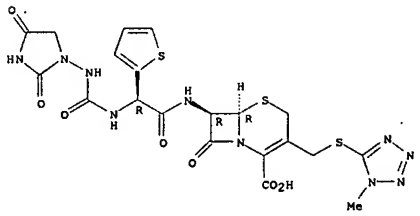


RN 65031-08-5 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]-2-
thienylacetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-,
monosodium salt, [6R-(6α,7β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
monosodium salt, [6R-[6α,7β(R*)]]- (9CI) (CA INDEX NAME)

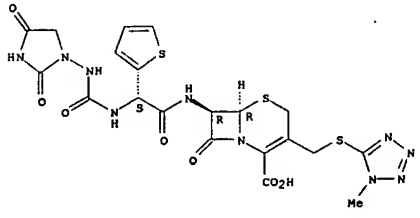
Absolute stereochemistry.



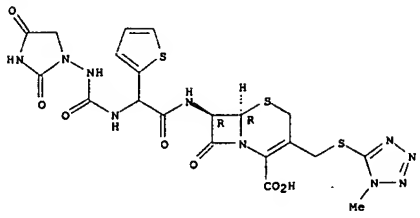
● Na

RN 65058-96-0 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]-2-
thienylacetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-,
[6R-[6α,7β(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



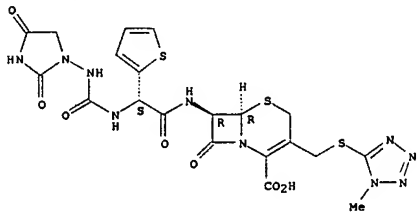
L4 ANSWER 52 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

RN 65058-94-8 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]-2-
thienylacetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-,
monosodium salt, [6R-[6α,7β(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● Na

RN 65058-95-9 CAPLUS
CN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]-2-
thienylacetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-,

L4 ANSWER 53 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

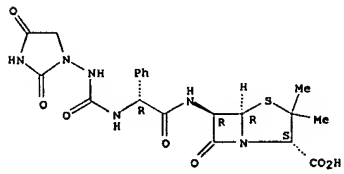
ACCESSION NUMBER:	1977:601521 CAPLUS
DOCUMENT NUMBER:	87:201521
TITLE:	[[[(2,4-Dioxo-1-imidazolidinyl)amino]-carbonyl]amino]acetylpenicillin derivatives
INVENTOR(S):	Breuer, Hermann; Treuner, Uwe D.
PATENT ASSIGNEE(S):	E. R. Squibb and Sons, Inc., USA
SOURCE:	U.S., 9 pp. CODEN: USXXAM
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4038271	A	19770726	US 1976-740163	19761108
PRIORITY APPLN. INFO.:			US 1976-740163 A	19761108

IT 64420-16-2P 64420-17-3P 64420-21-9P
64420-22-0P 64420-24-2P 64474-48-2P
64474-49-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 64420-16-2 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[[[(2,4-dioxo-1-

imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-
, [2S-[2α,5α,6β(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

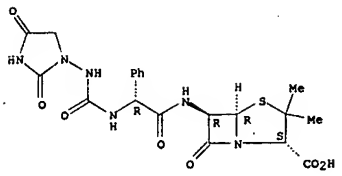


RN 64420-17-3 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[[[(2,4-dioxo-1-

imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-
, monosodium salt, [2S-[2α,5α,6β(S*)]]- (9CI) (CA INDEX
NAME)

Absolute stereochemistry.

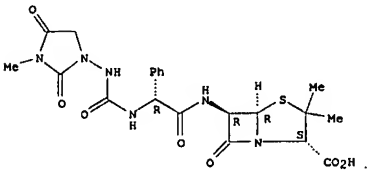
L4 ANSWER 53 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

RN 64420-21-9 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-6-[[[[[(3-methyl-2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino]-7-oxo-, [2S-[2α,5α,6β(S*)]]- (9CI) (CA INDEX NAME)

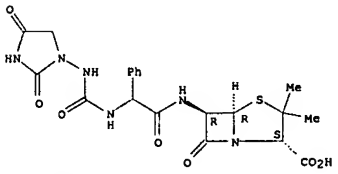
Absolute stereochemistry.



RN 64420-22-0 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-6-[[[[[(3-methyl-2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino]-7-oxo-, monosodium salt, [2S-[2α,5α,6β(S*)]]- (9CI) (CA INDEX NAME)

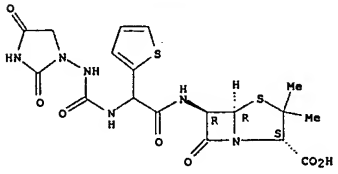
Absolute stereochemistry.

L4 ANSWER 53 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

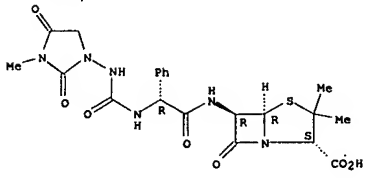


RN 64474-49-3 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]-2-thienylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-(2α,5α,6β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



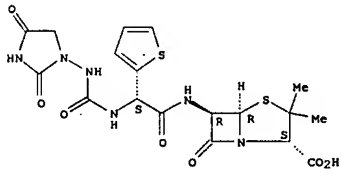
L4 ANSWER 53 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● Na

RN 64420-24-2 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]-2-thienylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-[2α,5α,6β(R*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 64474-48-2 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[[[(2,4-dioxo-1-imidazolidinyl)amino]carbonyl]amino]phenylacetyl]amino]-3,3-dimethyl-7-oxo-, [2S-(2α,5α,6β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

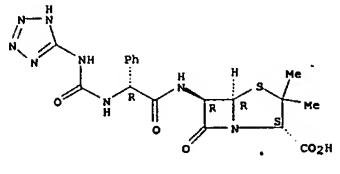
L4 ANSWER 54 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1977:155639 CAPLUS
DOCUMENT NUMBER: 86:155639
TITLE: Penicillanic acid derivatives
INVENTOR(S): Yamada, Hirotada; Okano, Shigeru; Komatsu, Yoshiaki; Katsura, Totozo; Eda, Yasuko
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Tokkyo Koho, 4 pp.
CODEN: JAXXAD
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
JP 51021997	B4	19760706	JP 1970-129971		19701228
PRIORITY APPLN. INFO.:			JP 1970-129971	A	19701228

IT 52482-27-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and bactericidal activity of)
RN 52482-27-6 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[[phenyl[[(1H-tetrazol-5-ylamino)carbonyl]amino]acetyl]amino]-, monopotassium salt, [2S-[2α,5α,6β(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



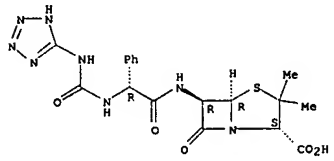
● K

L4 ANSWER 55 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1976:508627 CAPLUS
DOCUMENT NUMBER: 85:108627
TITLE: Penicillanic acid derivatives
INVENTOR(S): Yamada, Hirotada; Okano, Shigeru; Komatsu, Toshiaki; Katsura, Toyozo; Eda, Yasuko
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Tokkyo Koho, 5 pp.
CODEN: JAXXAD
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50037678	B4	19751204	JP 1970-129972	19701228
PRIORITY APPLN. INFO.:			JP 1970-129972 A	19701228

IT 60414-22-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 60414-22-4 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[[phenyl[[(1H-tetrazol-5-ylamino)carbonyl]amino]acetyl]amino]-, [2S-[2α,5α,6β(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

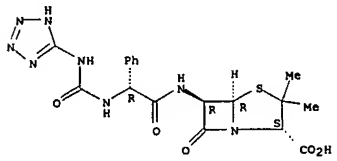


L4 ANSWER 56 OF 56 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1974:403928 CAPLUS
DOCUMENT NUMBER: 81:3928
TITLE: α-Acylamidobenzylpenicillins
INVENTOR(S): Kawahara, Norio; Murakami, Masuo; Isaka, Ichiro; Murakami, Yukiyasu
PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 48097893	A2	19731213	JP 1972-29515	19720324
PRIORITY APPLN. INFO.:			JP 1972-29515 A	19720324

IT 52482-27-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 52482-27-6 CAPLUS
CN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[[phenyl[[(1H-tetrazol-5-ylamino)carbonyl]amino]acetyl]amino]-, monopotassium salt, [2S-[2α,5α,6β(S*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● K

Karen Cheng